

**California State  
University  
Los Angeles**

**Semester Catalog  
2017-2018**



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### California State University, Los Angeles

5151 State University Drive

Los Angeles, California 90032

[www.calstatela.edu](http://www.calstatela.edu)

(323) 343-3000



Cal State LA is committed to student-centered learning, free scholarly inquiry, and academic excellence within a diverse community.

In addition to meeting fully its obligations under federal and state law, Cal State LA is committed to creating a community in which a diverse population can live, work and learn in an atmosphere of tolerance, civility and respect for the rights and sensibilities of each individual. To that end, all qualified individuals will receive equal consideration without regard to economic status, race, ethnicity, color religion, national origin or cultural background, political views, sexual orientation, or other personal characteristics or beliefs.

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## Distinguished Alumni

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Alma mater of 247,000 alumni ... contributing to the future of Los Angeles and the world, including:

- Billie Jean King** - International all-time tennis great, winner of 20 Wimbledon titles
- Samuel Durrance** - NASA astronaut (Columbia and Endeavour), astrophysicist and educator
- Raul Porto** - CEO of Porto's Bakery
- Isaac Larian** - CEO of MGA Entertainment and maker of the Bratz Dolls
- Ralph Terrazas** - fire chief of the Los Angeles Fire Department
- Maxine Waters** - U.S. Representative (CA-D43)
- Lucille Roybal-Allard** - U.S. Representative (CA-D40)
- Michael Antonovich** - Member, Los Angeles County Board of Supervisors
- Leana S. Wen, M.D.** - Baltimore City Health Commissioner
- Kent Twitchell** - Muralist, artist
- Thomas V. McKernan, Jr.** - President and CEO of the Automobile Club of Southern California
- Edward James Olmos** - Actor, filmmaker
- Terrence J. Roberts** - Psychologist, a member of the "Little Rock Nine"
- Adriana C. Ocampo** - Science program manager, National Aeronautics and Space Administration
- John J. Tracy** - Senior vice president of engineering, operations & technology for The Boeing Company
- Barry Rondinella** - director of the John Wayne Airport in Orange County
- Frank Romero** - Muralist, artist
- Alan J. Fohrer** - Chairman and CEO, Southern California Edison
- Joseph Wambaugh** - Novelist and bestselling author
- Pervaiz Lodhie** - Founder, CEO of Ledtronics
- Art Leahy** - CEO of Metrolink
- Mary Micucci** - Owner and President of Along Came Mary, event production and gourmet catering source
- Félix Gutiérrez** - USC professor
- Marshall Geller** - Investment banker, senior managing partner, St. Cloud Capital LLC

As a graduate of Cal State LA, you're in distinguished company. Noted authors, athletes, artists, CEOs, educators, engineers, health care leaders, scientists, policy makers and innovators in many other fields got their start here too!

[www.alumni.calstatela.edu](http://www.alumni.calstatela.edu)



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# Academic Calendar

Key Dates: Spring 2017 through Summer 2020

The 2017-18 Academic Calendar has been approved; proposed calendars for future years are subject to approval by the Chancellor's Office.

## Summer Intersession 2017

|           |                                     |
|-----------|-------------------------------------|
| May 30    | Summer Intersession begins          |
| July 4    | Independence Day; University closed |
| August 12 | Summer Intersession ends            |

## Fall Semester 2017

|                |  |
|----------------|--|
| August 17      | University Convocation; Fall semester begins |
| August 21      | Fall classes begin                           |
| September 4    | Labor Day; University closed                 |
| November 10    | Veterans Day; University closed              |
| November 22    | Finals Study Day, no classes                 |
| November 23-26 | Thanksgiving Holiday; University closed      |
| December 5-9   | Final Examinations                           |
| December 15    | Fall semester ends                           |

## Winter Intersession 2018

|            |   |
|------------|---|
| January 2  | Winter Intersession begins                  |
| January 15 | Martin Luther King's Day; University closed |
| January 20 | Winter Intersession ends                    |

## Spring Semester 2018

|                    |                                     |
|--------------------|-------------------------------------|
| January 22         | Spring semester begins              |
| March 26 - April 1 | Spring Break                        |
| March 30           | Cesar Chavez Day; University closed |
| May 12             | Spring classes end                  |
| May 14             | Finals Study Day, no classes        |
| May 15-19          | Final Exams                         |
| May 21, 22, 23     | University Commencements            |
| May 25             | Spring semester ends                |
| May 28             | Memorial Day; University closed     |

## May Intersession 2018

|        |                                 |
|--------|---------------------------------|
| May 21 | May Intersession begins         |
| May 28 | Memorial Day; University closed |
| June 9 | May Intersession ends           |

### **Summer Intersession 2018**

|           |                                     |
|-----------|-------------------------------------|
| May 29    | Summer Intersession begins          |
| July 4    | Independence Day; University closed |
| August 11 | Summer Intersession ends            |

### **Fall Semester 2018**

|                |  |
|----------------|--|
| August 16      | University Convocation; Fall semester begins |
| August 20      | Fall classes begin                           |
| September 3    | Labor Day; University closed                 |
| November 12    | Veterans Day; University closed              |
| November 21    | Finals Study Day, no classes                 |
| November 22-25 | Thanksgiving Holiday; University closed      |
| December 4-8   | Final Examinations                           |
| December 14    | Fall semester ends                           |

### **Winter Intersession 2019**

|            |   |
|------------|---|
| January 2  | Winter Intersession begins                  |
| January 19 | Martin Luther King's Day; University closed |
| January 21 | Winter Intersession ends                    |

### **Spring Semester 2019**

|                   |                                     |
|-------------------|-------------------------------------|
| January 22        | Spring semester begins              |
| April 1 - April 7 | Spring Break                        |
| April 1           | Cesar Chavez Day; University closed |
| May 11            | Spring classes end                  |
| May 13            | Finals Study Day, no classes        |
| May 14-18         | Final Exams                         |
| May 20, 21, 22    | University Commencements            |
| May 24            | Spring semester ends                |

### **May Intersession 2019**

|        |                                 |
|--------|---------------------------------|
| May 20 | May Intersession begins         |
| May 27 | Memorial Day; University closed |
| June 8 | May Intersession ends           |

### **Summer Intersession 2019**



|           |                                     |
|-----------|-------------------------------------|
| May 28    | Summer Intersession begins          |
| July 4    | Independence Day; University closed |
| August 10 | Summer Intersession ends            |

### **Fall Semester 2019**

|                        |  |
|------------------------|--|
| August 15              | University Convocation; Fall semester begins |
| August 19              | Fall classes begin                           |
| September 2            | Labor Day; University closed                 |
| November 11            | Veterans Day; University closed              |
| November 27            | Finals Study Day, no classes                 |
| November 28-December 1 | Thanksgiving Holiday; University closed      |
| December 3-7           | Final Examinations                           |
| December 13            | Fall semester ends                           |

### **Winter Intersession 2020**

|            |   |
|------------|---|
| January 2  | Winter Intersession begins                  |
| January 19 | Martin Luther King's Day; University closed |
| January 20 | Winter Intersession ends                    |

### **Spring Semester 2020**

|                    |                                     |
|--------------------|-------------------------------------|
| January 21         | Spring semester begins              |
| March 30 - April 5 | Spring Break                        |
| March 31           | Cesar Chavez Day; University closed |
| May 9              | Spring classes end                  |
| May 11             | Finals Study Day, no classes        |
| May 12-16          | Final Exams                         |
| May 18, 19, 20     | University Commencements            |
| May 22             | Spring semester ends                |

### **May Intersession 2020**

|        |                                 |
|--------|---------------------------------|
| May 18 | May Intersession begins         |
| May 25 | Memorial Day; University closed |
| June 6 | May Intersession ends           |

### **Summer Intersession 2020**

|          |                                     |
|----------|-------------------------------------|
| May 27   | Summer Intersession begins          |
| July 4   | Independence Day; University closed |
| August 8 | Summer Intersession ends            |



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#### Department of English

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### Other Courses

- **PH 5250 - Health Communication: Theory and Practice (3)**


---

(3)  
 Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. An overview of major theories, research, issues, and topics prevalent in the field of health communication, with a particular focus on community-based communication strategies in health promotion and disease prevention.
  
- **Accounting (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000- level ACCT courses.*
  
- **ACCT 2100 - Principles of Financial Accounting**


---

(3)  
 Introduction to financial accounting. Accounting cycle and preparation of financial statements. Overview of Generally Accepted Accounting Principles.  
 Some sections may be technologically mediated.
  
- **ACCT 2110 - Principles of Managerial Accounting**


---

(3)  
 Prerequisite: ACCT 2100. Cost terms, cost behavior and cost systems. Use of accounting data for planning, budgeting, and control. Some sections may be technologically mediated.

- **ACCT 3100 - Accounting Information for Decision Making**

---

(3)

Prerequisites: ACCT 2110, ACCT 2100. Use of financial and managerial accounting information to plan, analyze, control, evaluate, and improve the activities of a firm. Some sections may be technologically mediated.

- **ACCT 3200A - Intermediate Financial Accounting and Reporting I**

---

(3)

Prerequisite: ACCT 2100 and ACCT 2110. Accounting theory and practice relating to problems of asset valuation and classification in accounts and statements.

- **ACCT 3200B - Intermediate Financial Accounting and Reporting II**

---

(3)

Prerequisite: Acct 3200A with a minimum C grade. Valuation and classification of long-term assets, liabilities and stockholders' equity; study of selected contemporary accounting issues.

- **ACCT 3210 - Taxation of Individuals**

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(3)

Prerequisites: Acct 3200A with a minimum C grade. Statutes, regulations, administrative rulings, and court decisions relating to federal and California income taxation of individuals.

- **ACCT 3220 - Cost Accounting**

---

(3)

Prerequisite: ACCT 2110 and 3200A with minimum C grades. Cost accounting as a tool in modern organizations; covers budgets, cost estimation, cost allocations, variance analysis, cost systems, capital budgeting, and performance measurement and evaluation.

- **ACCT 3250 - Leadership and Professional Skills for Accountants**

---

(3)

Prerequisites: ACCT 3200B and BUS 3050. Through practice and multiple assessments, focuses on development and mastery of leadership and professional skills for the accounting profession: creative and critical thinking; managing conflict; delegating; and communicating.

- **ACCT 3610 - Job Search for Accountants**

---

(1)

This course teaches students how to effectively search for a job and start their career. Skills learned in this class will be used by students throughout their professional careers.

- ACCT 3620 - Writing for Success

---

(1)

Prerequisite: Business 3050 or Equivalent. This course reinforces the importance of effective writing for success in an accounting career. Rules of usage, composition, and grammar are reviewed.

- ACCT 3630 - Fraud Detection Techniques

---

(1)

Prerequisites: Acct 2100 or equivalent. Students are introduced to the “red flags” indicative of potential fraud; sources for background information; and basic methods to establish a financial profile of an individual or a company.

- ACCT 4200 - Advanced Financial Accounting and Reporting

---

(3)

Prerequisites: ACCT 3200B. Problems associated with preparation of consolidated financial statements; foreign currency translation; and partnerships. Some sections of this course may be technologically mediated.

- ACCT 4210A - Corporate Taxation

---

(3)

Prerequisite: Acct 3210 with a minimum C grade. A study of the federal income taxation of corporations and their shareholders. Topics include choice of entity, corporate formation, operating rules, distributions and liquidation.

- ACCT 4210C - State and Local Taxation

---

(3)

Prerequisites: Acct 3210 with a minimum C grade. Application of interstate income allocations; multi-state tax compact; separate apportionment accounting; foreign country sourced income; and taxation of air transportation, mail order sales taxes, gross receipts taxes, and highway taxes.

- ACCT 4210D - IRS' Volunteer Income Tax Assistance (VITA) Program

---

(3)

Prerequisite: ACCT 3210. This course provides students with the knowledge to complete actual income tax returns and experience in completing returns for individuals. Some sections of this course may be technologically mediated.

- ACCT 4240A - Accounting Information Systems

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(3)

Prerequisites: ACCT 3200A. Study of accounting information systems and internal controls; provides the tools necessary to understand and evaluate accounting information systems. Restricted to undergraduate students.

- ACCT 4240B - Auditing

---

(3)



Acct 4240A and Acct 3200B with minimum C grades. Students gain an understanding of audit and assurance services, emphasizing financial statement audit opinions by independent auditors, auditing concepts and practices used in assurance services used in public practice.

- **ACCT 4250 - International Accounting**

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(3)

Prerequisite: Acct 3200B with a minimum C grade. This course covers the development and application of international accounting standards in a global business environment. Topics include foreign currency translation, financial reporting and disclosure issues for multinational organizations.

- **ACCT 4270 - Governmental and Institutional Accounting**

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(3)

Prerequisites: ACCT 3200B. Principles and problems of fund accounting for governments and nonprofit institutions; budgets, revenues, expenditures, tax levies, appropriations, general fund, special funds and financial reports; separate treatment of for local and, state and federal government agencies.

- **ACCT 4280A - Internal Auditing**

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(3)

Prerequisite: Acct 4240B. This course provides an introduction to internal auditing, internal control, audit evidence, and the internal auditing process.

- **ACCT 4340 - Professional Accounting Ethics**

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(3)

Prerequisite: ACCT 3200B. This course introduces students to common ethical dilemmas in the accounting profession along with ethical solutions. It emphasizes the ethical decision-making process for preparers and auditors of the financial statements.

- **ACCT 4350 - Forensic Accounting**

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(3)

Recommended Prerequisite: ACCT 4240B. The course teaches the nature of forensic accounting, financial statement fraud and misappropriation of assets and the skills necessary to detection, investigation, and prevention of fraudulent acts. The course develops professional skills necessary to investigate, detect and prevent fraud. NOTE: Course restricted to Undergraduate Students only.

- **ACCT 4360 - Advanced Forensic Accounting**

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(3)

Prerequisites: ACCT 4240B. The course builds on the nature of forensic accounting, financial statement fraud, and misappropriation of assets - detection, investigation, and prevention. The course enhances students' professional skills by applying techniques necessary to investigate, detect, and prevent fraud through case studies and simulations.

- **ACCT 4370 - Security Risk Management and Internal Controls**

**(also listed as CIS 4370)**

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(3)

Prerequisite: ACCT 4240B for accounting students. Introduction to the information security risk management including internal controls, operations security, risk management and assessment, incident management and response, business continuity and disaster recovery planning, legal issues and ethics, information security program development.

- **ACCT 4380 - Computer Forensics and Investigations**

**(also listed as CIS 4380)**

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(3)

Prerequisites: Acct 4240A for accounting students. Introduction to selected techniques and tools for computer forensics and investigations. Topics include coverage of the latest technology. Hands-on activities are included, which allow students to practice skills as they are learned.

- **ACCT 4540 - Special Topics in Accounting**

(1-3)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisite. In-depth presentation and analyses of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **ACCT 4610 - CPA Exam Preparations**

(1)

Students learn about the requirements for; the application process for; the topics tested on; the software used on; and other test taking techniques to improve performance on the CPA exam.

- **ACCT 4720 - Accounting for Small and Medium-Sized Entities**

(1)

Prerequisite: ACCT 3200B. This course covers accounting standards and practices for small and medium-sized entities. Alternative financial reporting standards available for small and medium-sized entities are reviewed to provide useful financial accounting information.

- **ACCT 4730 - Specialized Industry Accounting**

(1)

Prerequisites: Acct 3200A and Acct 3200B. This course introduces students to the unique accounting standards for specialized industries.

- **ACCT 4950 - Case Studies and Research in Accounting**

(3)

Prerequisites: ACCT 3200B and ACCT 3250. This course allows students to apply and integrate the knowledge and skills they have learned in previous accounting courses to solve real world accounting problems through case studies

and research.

- **ACCT 4980 - Undergraduate Directed Studies**

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(1-3)

Prerequisite: ACCT 4240A. Project selected in conference with sponsor before registration, progress meetings held regularly, and final report submitted. May be repeated to maximum of 3 units.

#### **Accounting (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000-level courses.*

- **ACCT 5000 - Financial and Managerial Accounting**

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(3)

Accounting concepts and tools for business organizations; covers the accounting model, financial statements analysis, cost control and behavior, pricing, and budgeting. Some sections may be technologically mediated.

- **ACCT 5200 - Management Accounting Theory**

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(3)

Prerequisite: Graduate Standing. Management control theory; covers design of various types of responsibility centers, strategies and strategic planning, performance measurement and management planning, compensation from an accounting perspective.

- **ACCT 5210A - Taxation of Corporations and Partnerships**

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(3)

Prerequisite: Graduate Standing. Topics include statutes, regulations, administrative rulings, court decisions, procedural problems, tax management and planning relating to federal and California income taxes of corporations and partnerships.

- **ACCT 5210C - State and Local Taxation**

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(3)

Prerequisite: Graduate standing. Application of interstate income allocations; multi-state tax compact; separate apportionment accounting; foreign country sourced income; taxation of air transportation, mail order sales taxes, gross receipts taxes, highway taxes and the power to tax.

- **ACCT 5210D - IRS' Volunteer Income Tax Assistance (VITA) Program**

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(3)

Prerequisite: Graduate standing. This course provides students with the knowledge to complete actual income tax returns and experience in completing returns for individuals.

- **ACCT 5220 - Seminar: Current Topics in Financial Reporting**

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(3)

Prerequisite: Graduate Standing. Topics include the objectives of financial statements, efficient capital markets, the standard setting policy, the uses of accounting data and how to process accounting information.

- **ACCT 5240A - Accounting Information Systems**

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(3)

Prerequisite: Graduate standing. This course focuses on the study of accounting systems and internal controls. The course covers the tools necessary to understand and evaluate accounting systems. Independent research in accounting systems is required.

- **ACCT 5240B - Auditing**

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(3)

Prerequisites: Acct 4240A or ACCT 5240A, graduate standing. Students gain an understanding of audit and assurance services, emphasizing financial statement audit opinions by independent auditors, auditing concepts and practices used in assurance services used in public practice.

- **ACCT 5250 - International Accounting**

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(3)

Prerequisite: Graduate standing. Selected analytical and policy issues underlying current developments in international accounting. Some sections maybe mediated using interactive technology.

- **ACCT 5260 - Financial Accounting Theory**

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(3)

Prerequisite: Graduate standing. Advanced analytical concepts implicit in contemporary accounting practice; current developments in accounting techniques; specific applications to major aspects of financial statements. Some sections maybe mediated using interactive technology.

- **ACCT 5270 - Governmental and Institutional Accounting**

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(3)

Prerequisites: graduate standing. The course covers the principles and problems of fund accounting for state and local governments and non-profit organizations. The different funds used, financial statements, and unique issues facing state and local governments are covered. Also the funds and financial statements for non-profit organizations are introduced. Some sections may be technologically mediated.

- **ACCT 5290 - Advanced Financial Accounting**

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(3)

Prerequisites: ACCT 3200B or equivalent and graduate standing. Topics include business combinations and consolidations and pension accounting, post-employment benefits, share-based compensation, earnings per share, deferred taxes and partnerships.

Some sections may be technologically mediated.

- **ACCT 5340 - Professional Accounting Ethics**

---

(3)

Prerequisite: Graduate standing. This course introduces students to common ethical dilemmas in the accounting profession along with ethical solutions. It emphasizes the ethical decision-making process for preparers and auditors of the financial statements.

- **ACCT 5350 - Forensic Accounting**

---

(3)

Recommended Prerequisites: ACCT 4240B, 5240B or equivalent course and Graduate Standing. The course teaches the nature of forensic accounting, financial statement fraud and misappropriation of assets and the skills to detect, investigate, and prevent fraudulent acts.

- **ACCT 5360 - Advanced Forensic Accounting**

---

(3)

Prerequisite: ACCT 4240B, or ACCT 5240B, Graduate standing. The course builds on the nature of forensic accounting, financial statement fraud, and misappropriation of assets - detection, investigation, and prevention. The course enhances students' professional skills by applying techniques necessary to investigate, detect, and prevent fraud through case studies and simulations.

- **ACCT 5440A - Advanced Accounting Information Systems**

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(3)

Prerequisites: ACCT 4240A or ACCT 5240A, Graduate standing. This course focuses on the study of accounting information systems and internal controls. The course will provide the student with the tools necessary for designing, building, and evaluating accounting information systems. Independent research in accounting information systems is an integral part of this course.

- **ACCT 5440B - Advanced Auditing**

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(3)

Prerequisites: ACCT 4240B or ACCT 5240B, Graduate Standing. This course examines advanced cases in auditing. Auditors' responsibilities to users and clients are addressed through the use of case studies and group projects. Challenging audit situations are discussed and the auditor's ethical obligations are also emphasized. Students are also trained to use audit software and electronic working papers.

- **ACCT 5540 - Special Topics in Accounting**

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(1-3)

Prerequisite: Graduate Standing, Varies with topic; see Schedule of Classes for specific prerequisite. In-depth presentation and analyses of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **ACCT 5610 - CPA Exam Preparations**

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(1)

Prerequisite: Graduate Standing. The course makes students aware of the requirements to sit for the CPA; the process to apply for the exam; and the topics tested on the CPA exam. Students are also introduced to the software used on the CPA exam and other test taking techniques to improve their performance on the exam.

- **ACCT 5710 - Accounting for Healthcare Managers**

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(3)

Prerequisite: Graduate Standing. How to use accounting information to understand and evaluate the performance and financial viability of health care organizations. Tools include management systems, planning, costing, budgeting, financial statements, and control mechanisms.

- **ACCT 5720 - Seminar: Accounting for Small and Medium-Sized Entities**

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(1)

Prerequisite: Graduate Standing. This course reviews and discusses accounting standards for small and medium-sized entities. Alternative financial reporting standards available for small and medium-sized entities are compared and analyzed to provide useful financial accounting information.

- **ACCT 5730 - Specialized Industry Accounting**

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(1)

Prerequisites: Graduate Standing. This course introduces students to the unique accounting standards for specialized industries.

- **ACCT 5750 - Leadership and Professional Skills for Accountants**

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(3)

Prerequisites: BUS 3050, Graduate standing. Through practice and multiple assessments, this course focuses on the knowledge and development of managerial skills needed to advance in the accounting profession. The skills emphasized in the course include: written and oral communication, critical thinking, problem solving, leadership, teamwork, managing change and conflict, negotiation, networking and delegating.

- **ACCT 5850 - Tax Theory and Business Applications**

---

(3)

Prerequisite: Graduate standing. The course introduces tax concepts and judicial doctrines inherent in federal tax law; effects of taxation of business organization, capital structure, policies, and operations. Some sections maybe mediated using interactive technology.

- **ACCT 5860 - Tax Research and Practice**

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(3)

Prerequisites: Graduate standing. Methodology of researching complex tax problems; tax planning; scope of activity, responsibility, and ethics of accountant in tax field. Some sections maybe mediated using interactive technology.

- **ACCT 5870 - Taxation of Corporations and Shareholders**

---

(3)

Prerequisites: Graduate standing. Statutory, regulatory, and case material applicable to corporation tax including formation, stock redemptions, and liquidations; stock dividends and preferred stock bail outs; elections under subchapters; personal holding companies, accumulated earning tax; collapsible corporations. Some sections maybe mediated using interactive technology.

- **ACCT 5880 - Seminar: International Taxation**

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(3)

Prerequisite: Graduate standing. Provides an overview of international taxation issues from a global perspective, taking into consideration both US and foreign taxation of foreign source income and foreign persons with US source income; planning for foreign operations and income tax treaties.

- **ACCT 5900 - Seminar: Taxation of Property Transactions**

---

(3)

Prerequisite: Graduate standing. Analyzes federal income taxation of capital assets, including definition and mechanics of capital transactions; property transactions including sales and exchanges; examination of the at risk and passive loss rules.

- **ACCT 5910 - Seminar: Taxation of Partnerships and LLCs**

---

(3)

Prerequisite: Graduate standing. Analyzes tax problems of the organization and operation of the partnerships and LLCs, including the treatment of distributions, withdrawal of a partner/shareholder/member during his/her lifetime, sales and exchanges of interests and dissolutions.

- **ACCT 5920 - Seminar: Taxation of Estate and Gifts**

---

(3)

Prerequisite: Graduate standing. Covers property includable in the gross estate; computation of the federal estate tax; practice and payment of the federal estate tax, transfers subject to the federal gift tax; federal gift tax exclusions and deductions; valuation of gifts and computation of the federal gift tax; the generation-skipping transfer tax; and actions for refund.

- **ACCT 5930 - Seminar: Tax Procedures**

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(3)

Prerequisites: Graduate standing. Review the federal tax system and administrative determination of liability for tax with coverage of IRS procedures in areas, such as assessment, audit, settlement, collection, and liens.

- **ACCT 5950 - Case Studies and Research in Accounting**

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(3)

Prerequisite: ACCT 5750. This course allows students to apply accounting theories and practices learned in previous

accounting courses to analyze and solve real world accounting problems through case studies and research.

- **ACCT 5970 - Graduate Research Study**

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(1-3)

Prerequisites: Professor's consent to act as sponsor, approval of graduate associate dean prior to registration. Independent research under guidance of a full time faculty member. This course is designed to be part of the culminating experience in the Masters of Accountancy Program. Students will work one-on-one with a full time faculty member on a research project mutually agreed upon between the student and the faculty member.

### **Anthropology (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 4970*

- **ANTH 1001 - Where in the World of Education at CSULA are You?**

---

(3)

Study of holistic and comparative exploration of personal and collective educational adventure at CSULA through examination, reflection, critique, partnerships, and services in democratic "learning commons."

**GE IHE; (d)**

- **ANTH 1500 - Introduction to Cultural Anthropology**

---

(3)

Exploration and application of concepts of myths, cultures, power relations, social organization, social meaning to the study of kin, economic, political, legal, belief, and communication systems in different societies.

**GE D (d)**

- **ANTH 1700 - Introduction to Archaeology**

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(3)

Introduction to world prehistory, examination of basic archaeological concepts, investigation of extinct cultures.

- **ANTH 2300 - Language and Society**

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**Also listed as ENGL 2100**

(3)

An introduction to linguistics as a social science. Exploration of the relationship of language to a variety of social issues including race, class, and gender.

**GE D**

- **ANTH 2600 - Biological Anthropology**

---

(3)

Evolution of the human species and our place in nature, emphasizing evolutionary theory, genetics, primate behavior



and the fossil record. Lecture: 2 Units, Laboratory: 1 Unit.

**GE Lower Division Block B2**

- **ANTH 2700 - Great Archaeological Discoveries of the Past**

---

(3)

Examines the earliest evidence for art, written language, and world civilizations. Exposes students to cultural ideals and principles through the study of the greatest archaeological discoveries of all time.

**GE C2; (d)**

- **ANTH 3000 - Immigrant Experiences and Social Justice in the Americas**

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**(Also listed as LAS 3000)**

(3)

Prerequisites: completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploration of the diversity of immigrant experiences in the Americas and the social and cultural forces shaping them, community based inquiry and public sphere pedagogy with immigrant communities.

**GE UD D, Diversity (d), Civic Learning (cl)**

- **ANTH 3005 - Evolutionary Perspectives on Emotions**

---

(3)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Scientific explanations of primate behavior are used as a model for understanding the evolution of human behavior and emotions.

- **ANTH 3100 - Evolutionary Perspectives on Gender**

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(3)

Evolutionary perspectives on gender differences in emotions, behavior, and sexuality, utilizing data from primate studies, the brain, and human evolution.

- **ANTH 3150 - Evolutionary Perspectives on Violence**

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(3)

Scientific studies of evolutionary theory, primate behavior, and the brain are used as a way of understanding the expression and evolution of violence and aggression in humans.

- **ANTH 3200 - Where in the Californian Community are You?**

---

(3)

Prerequisites: Completion of Block A and B4, and additional course from Block B and at least one course each from Blocks C and D. Student's anthropological, holistic and comparative exploration of personal and collective engagement with the community and events in California through examination, reflection, services and recommendation as democratic participation in "learning common."

**UD GE D (cl) (re)**

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## ANTH 3210 - Where in the Global World are You?

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(3)

Prerequisites: Completion of Block A and B4, and additional course from Block B and at least one course each from Blocks C and D. Examines anthropology's global engagement in international work on health, education, migration, and social justice. Emphasizes local-global connections, public anthropology and engagement, and the application of anthropological concepts and methods cross-culturally.

**UD GE D (cl) (re)**

- ANTH 3350 - Maturity and Aging in Crosscultural Perspective

---

(3)

Prerequisites: Completion of Blocks A and B4, additional lower division course from Block B, lower division course from Blocks C, D. A cross-cultural examination of the social and cultural aspects of aging and the roles of the adults and elderly in different societies. Emphasizes the contemporary narrative and terrain on aging.

**UD GE D; (d)**

- ANTH 3360 - Dress in Culture and Society

---

(3)

Prerequisites: Completion of Block A and B4, and additional course from Block B and at least one course each from Blocks C and D. Explores the relationship between dress and identity cross culturally and historically. Highlights the interconnection between gender, power, class and ideology as expressed through attire, bodily modifications and cultural conceptions of the human body.

**UD GE D**

- ANTH 3380 - Gendered Roles, Gender-Identity, and Sexualities in Cross-Cultural Perspective

---

(3)

Prerequisites: Completion of Block A and B4, and additional course from Block B and at least one course each from Blocks C and D. Study of gendered roles, sexualities, and gendered and sexualized identities in different cultures. Emphasizes social relations, cross-cultural understanding, and application of anthropological analytical tools.

**UD GE D (d)**

- ANTH 3550 - Cultural Evolution and Ancient Civilizations

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Organization and development of human cultural and social systems. This course includes critical examinations of evolutionary theories, and case studies of complex societies of the old and new worlds.

**UD GE D (d)**

- ANTH 3610 - Race, Racism, and Human Variation

---

(3)

Prerequisite: Completion of Basic Subjects (Block A) and one course from Block B. Evaluation of cultural and environmental influences upon composition and distribution of human populations; consideration of the genetic basis for human variation and biological validity of race concept. Lecture: 3 Units.

**GE UD B**

- **ANTH 3700 - Perspectives and Methods of Archaeological Science**

---

(3)

Prerequisites: Completion of Block A and B4, and additional course from Block B and at least one course each from Blocks C and D. Explores the application of scientific methods to the interpretation of archaeological sites and material remains. Examines the interface between science and archaeology; highlighting its interdisciplinary nature.

**UD GE B**

- **ANTH 3790 - Writing Community Stories**

---

(3)

Prerequisite: Satisfactory completion of GE blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis and use of select social science modes of writing that present qualitative data, including ethnography, oral history, testimonial, auto-ethnography, and narrative analysis.

**UD GE D (wi)**

- **ANTH 3850 - Measurement of Human Difference**

**(Also listed as PHIL 3850)**

---

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploration of issues of diversity and justice through examination of popularized accounts of scientific research into human difference; topics include I.Q. testing and race, innate gender differences, and sexuality.

**UD GE B; (re)**

- **ANTH 3960 - Honors Thesis**

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(3)

Prerequisite: Admission to honors program in Anthropology. May be repeated to maximum of 5 units. Preparation of an honors thesis, under supervision of an adviser, acceptable to departmental honors committee. May be repeated to maximum of 6 units.

- **ANTH 4010 - Comparative Cultures**

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(3)

Prerequisite: ANTH 1500. Principal culture types and their geographical distribution, application of cultural data to ethnological problems.

- **ANTH 4040 - Peoples of South America**

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(3)

Prerequisite: ANTH 1500. Prehistoric, historic, and contemporary cultures of South America, with emphasis on

sociological and ethnological principles of analysis and comparison.

- ANTH 4060 - Indians of North America

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(3)

Prerequisite: ANTH 1500. Native peoples of North America north of Mexico, their origins, culture change after contact with Europeans.

- ANTH 4070 - Indians of California

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(3)

Prerequisite: ANTH 1500. Native peoples of California, their origins, languages, and cultures.

- ANTH 4080 - Peasant Cultures of Middle America

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(3)

Prerequisite: ANTH 1500. Pre-Spanish civilizations of Mexico and Central America, the conquest and colonial backgrounds of present-day peoples, contemporary societies and cultures of the area.

- ANTH 4130 - Peoples of Africa

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(3)

Prerequisite: ANTH 1500. Historical and cultural backgrounds of traditional and contemporary societies of Africa south of the Sahara, Western and Asian influences, problems of social, economic, and political development.

- ANTH 4140 - Peoples of Asia

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(3)

Prerequisite: ANTH 1500. Peoples and cultures of Asia; interrelationships of contemporary groups and dynamics of culture change. Emphasis alternates among four areas: Japan and Korea; South Asia; Southeast Asia; China. May be repeated until all areas of emphasis are covered.

- ANTH 4150 - Asian American Communities in Southern California

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**(also listed as AAAS 4150)**

(3)

The course examines the Asian American enclaves and communities in Southern California by exploring culture, ethnicity, solidarity, political economy, and resistance in their creation and maintenance of communities. Service learning option available.

- ANTH 4190 - The History of Archaeological Thought

---

(3)

Prerequisites: ANTH 2700; upper division or graduate standing; instructor approval. Examines the intellectual and social trends that have shaped the history of archaeological thought, and traces the development of archaeological perspectives and approaches, from antiquarianism to current theoretical trends.

- ANTH 4210 - Archaeology of North America

(3)

Prerequisite: ANTH 1500. Early peopling of North America and development of prehistoric cultures in New World north of Mexican high culture area.

- ANTH 4220 - The Archaeology of Islands and Coastlines

(3)

Prerequisites: Completion of ANTH 1700; Requirement: UD Elective: Archaeology Explores archaeological evidence for the extent and diversity of maritime adaptations around the world. Examines human adaptive variation, issues of insularity, and paleoecology in island and coastal settings.

- ANTH 4230 - Material Culture

(3)

Prerequisite: ANTH 1500. The analysis and interpretation of utilitarian and non-utilitarian artifacts in early and contemporary cultures.

- ANTH 4240 - Archaeological Field School

(4)

Prerequisites: ANTH 1700; instructor consent. Experience and instruction in archaeological field methodologies and techniques (e.g., surveys, mapping, excavations, laboratory analyses, etc.). Lecture 2 hours, laboratory and field work 6 hours. May be repeated to a maximum of 8 units.

- ANTH 4250 - Archaeology of the Old World

(3)

Prerequisite: ANTH 1500. Growth of culture from its earliest beginnings to emergence of great civilizations, utilizing concepts, methods, and data of archaeology.

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|--|--|--|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events<br>Leadership<br>University Times<br>Student Government (ASI)<br>University Student Union<br>Golden Eagle Radio | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and Scholarships<br>Graduate Studies<br>Housing Services<br>International Office<br>Orientation Program<br>Outreach and Recruitment | Center for Effective Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience Collaborative<br>Pat Brown Institute<br>Service Learning<br>Stern MASS<br>The School of Arts<br>Enterprise | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center<br>Housing Services<br>Luckman Fine Arts Complex<br>Public Safety and Parking<br>Title IX<br>University Auxiliary |



# University Catalog

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Find whole word or phrase only.

### Anthropology (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 4970*

- ANTH 4260 - Perspectives and Methods in Environmental Archaeology

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(3)  
Prerequisites: Completion of ANTH 1700; Requirement: UD Elective: Archaeology Explores the nature of diachronic human-environmental interactions in marine and terrestrial ecosystems. Examines the interface between the natural and biological sciences and archaeology with a focus on human adaptive variation.
- ANTH 4270 - Cultural Resources Management

---

(3)  
Prerequisite: ANTH 1500, 1700, or 2600. Introduction to the concepts, goals, procedures and legislative basis of cultural resource management and historic preservation. Includes consideration of environmental impacts to archaeological, historic, ethnic and Native American values.
- ANTH 4280 - Civilizations of Western Mesoamerica

---

(3)  
Prerequisite: ANTH 1500 or ANTH 1700 or consent of the instructor. This course covers Mesoamerican civilization, focusing particularly on the high cultures of Mexico (Olmec, Teotihuacan, Toltec, Aztec, cultures of Oaxaca) and traces ten millennia of development as revealed by archaeology.

- ANTH 4290 - Maya Civilization

---

(3)

Prerequisite: ANTH 1500 or ANTH 1700 or consent of the instructor. This course covers Maya civilization as revealed by archaeology. Lowland and Highland cultures are studied, with emphasis on social, political, economic, religious systems, as well as aesthetic and intellectual achievements.

- ANTH 4300 - Social Organization

---

(3)

Prerequisites: ANTH 1500, ANTH 4010 or SOC 4440; instructor consent. Systems of kinship and marriage, with reference to social control, religion, law, politics, and economic organization.

- ANTH 4320 - Anthropology of Wealth and Power

---

(3)

Prerequisite: ANTH 1500. Theoretical perspectives and comparative ethnographic analyses of political-economic systems of preindustrial societies ranging from bands through contemporary peasantry.

- ANTH 4330 - Urban Anthropology

---

(3)

Prerequisite: ANTH 1500. Introduction to urban anthropology, including its history, methods of research, and major schools of thought, highlighting the structuring of urban space and social relations in cities around the world.

- ANTH 4340 - Globalization and Cultural Change

---

(3)

Prerequisite: ANTH 1500. Anthropological theory and practice in the changing social, economic, and cultural conditions of the twenty-first century.

- ANTH 4350 - Culture and the Individual

---

(3)

Prerequisite: ANTH 1500. Exploration of conformity and deviance in society through the comparative study of personality formation in different cultural and subcultural settings.

- ANTH 4360 - Ethnicity and Nationalism

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(3)

Prerequisite: ANTH 1500. This course explores the origins and spread of nationalism, the national-state, and ethnicity as primary forces in the construction of social identities in the modern world.

- ANTH 4370 - Magic, Witchcraft, and Religion

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(3)

Prerequisite: ANTH 1500. Investigation of the domain of the sacred and supernatural in both technologically primitive and advanced societies. Emphasis on magic, witchcraft, taboo, myth, ritual, belief systems, and religious symbols.

- ANTH 4410 - Anthropology and Identity

---

(3)

Prerequisite: ANTH 1500. This course explores the ways that people understand themselves to be a cultural collective and how they maintain a shared sense of identity.

- ANTH 4420 - Anthropology of Rights

---

(3)

Prerequisite: ANTH 1500. This course examines the roles of social justice and media in the development of concepts of indigenous, cultural, environmental and human rights.

- ANTH 4440 - Medical Anthropology

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(3)

Prerequisite: ANTH 1500 or SOC 2010 or SOC 1001. Health in sociocultural perspective; applying anthropological concepts and knowledge to an understanding of health.

- ANTH 4450 - Myth and Folklore

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(3)

Prerequisite: ANTH 1500. Basic forms of folklore including myth, legend, tale, song, and custom in cultural context, with attention to their origin, transmission, performance, function, and meaning.

- ANTH 4460 - Anthropological Film

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(4)

Survey of anthropological films; Instruction and application of methods for collecting, analyzing, presenting visual ethnographic data. Lecture 3 hours, field laboratory 3 hours. May be repeated to maximum 8 units.

- ANTH 4470 - Anthropology of Media

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(3)

Prerequisite: ANTH 1500 or consent of the instructor. Introduction to media produced by Indigenous peoples, nonwestern local communities and grassroots activists, and exploration of the analytical frameworks used in anthropology for studying representational practices, subaltern transnational politics and media, global media culture, and cybersocieties.

- ANTH 4480 - Sexualities and Gender Diversity in Global Perspective

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(also listed as WGSS 4480)

(3)



Prerequisite: ANTH 1500 or consent of the instructor. This course examines the diversity of forms of sexuality and their relationship to gender constructs around the world, with a focus on non-Western societies.

- **ANTH 4490 - Anthropology of Race and Racism**

**(also listed as AAAS 4490, CHS 4490, and LAS 4490)**

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(3)

This course examines the anthropological ideas of race, its emergence, and its relationship to the constructions of racisms and racializations in comparative settings and in contemporary situations.

- **ANTH 4510 - Death and Dying in the Ancient World**

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(3)

Pre-requisites: Upper division standing or instructor approval. This course covers the archaeological study of human interaction with the dead, including how various cultures around the world and through time defined death and processing the body for the afterlife. Lecture 3 Units.

- **ANTH 4520 - Bioarchaeology of Asia**

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(3)

Pre-requisites: Upper division standing or instructor approval. This course will introduce the archaeology and prehistory of Central and East Asia from the Neolithic to the Medieval Periods. Lecture 3 Units.

- **ANTH 4530 - Bioarchaeology of Identity**

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(3)

Pre-requisites: Upper division standing or instructor approval. This class will explore the ways in which bioarchaeological data can reconstruct living identities from the archaeological record, on the individual, population, and state levels. Lecture 3 Units.

- **ANTH 4540 - Special Topics in Anthropology**

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(1-5)

Prerequisites: As needed for specific topic. Topics of special interest in anthropology, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **ANTH 4541 - Special Topics in Anthropology**

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(1-5)

Prerequisites: As needed for specific topic. Topics of special interest in anthropology, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **ANTH 4590 - Human Osteology**

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(3)

Prerequisites: ANTH 2600 or BIOL 2010. Introduction to the human skeleton and laboratory analysis of bone. Analyzing skeletal remains in Anthropological context. Discussion of uses of human osteology in forensic work, bioarchaeology, and paleopathology. Lecture 2 Units Lab 1 Unit.

- ANTH 4600 - Human Evolution

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(3)

Prerequisite: ANTH 2600. Critical examination of fossil evidence for human evolution considering importance of cultural evolution. Emphasizes recent discoveries and controversial theories surrounding them.

- ANTH 4620 - Human Ecology and Adaptation

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(3)

Prerequisite: ANTH 2600. Comparative study of the adaptations of diverse human populations to their environments.

- ANTH 4630 - Forensic Anthropology

---

(3)

Prerequisite: Instructor consent. Introduction to forensic anthropology, techniques for recovery of skeletonized remains, analyzing skeletal remains, time since death, special techniques including DNA, facial reconstruction and photo superimposition, legal aspects of forensic anthropology.

- ANTH 4640 - Methods and Techniques in Biological Anthropology

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(4)

Prerequisites: ANTH 2600, instructor consent. Methods of data gathering and analysis in biological anthropology, including consideration of practical problems in field research and advantages and limitations of various field and laboratory techniques. Content changes with instructor. Lecture 3 hours, laboratory 3 hours. May be repeated to a maximum of 8 units.

- ANTH 4660 - Paleopathology

---

(3)

Prerequisite: ANTH 2600 or BIOL 2010 or BIOL 2050 or permission of instructor. Examination of skeletal disease in archaeological populations, the impact of infectious disease on political and social systems and the intersection between modern medical anthropology and the study of ancient remains.

- ANTH 4670 - Human Evolution in Pop Culture

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(3)

Pre-requisites: Upper division standing or instructor approval. Examination of popular culture ideas about human evolution through use of current films, television shows, novels, and graphic novels/comic books. Lecture 3 Units.

- ANTH 4700 - Language and Culture

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**(also listed as ENGL 4130)**

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(3)

Prerequisite: ANTH 1500. Nature, origin, and evolution of language; survey of approaches and studies illustrating variations in the relation of habitual thought and behavior to language.

- **ANTH 4710 - Introduction to Linguistics**

**(also listed as ENGL 4100)**

---

(3)

Prerequisite: Upper division standing. Descriptive and historical study of language; problems of data collection and techniques of analysis, linguistic structure, language classification, language families of the world, language in its sociocultural setting.

- **ANTH 4720 - Linguistic Analysis**

(3)

Prerequisites: ANTH 4710 may be taken concurrently. ANTH 1500 recommended. A problems course in anthropological techniques of phonemic and morphemic analysis; close reading of technical, descriptive literature; survey of phonological and grammatical systems of non-Indo-European languages.

- **ANTH 4750 - Primate Behavior**

(3)

Prerequisites: ANTH 2600 or consent of the instructor. Introduction to the non-human primates (prosimians, Old and New World monkeys and apes), with a particular focus on primate behavior, biology and ecology. Lecture 3 Units.

- **ANTH 4760 - Primate Sexuality**

(3)

Prerequisites: ANTH 2600 or consent of the instructor. This course will review primate sexual behaviour from an evolutionary perspective. Following a survey of mating patterns, specific topics will be discussed, including mating strategies, mate choice and sperm competition. Lecture 3 Units.

- **ANTH 4770 - Anthropological Genetics**

(3)

Prerequisites: ANTH 2600 or consent of the instructor. Introduction to the use of molecular genetics in physical anthropology. Topics include genetic diversity in human populations, the genetics of disease, primatological genetics and forensic applications. Lecture 3 Units.

- **ANTH 4800 - Anthropological Methods and Techniques**

(5)

Prerequisites: ANTH1500 or consent of the instructor. Introduction to methodology of anthropological research, including methods of ethnographic investigation, ethnological analysis, and logical processes of problem-solving. Lecture 4 hours, laboratory and field work 6 hours.

- **ANTH 4810 - Academic Writing**

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(3)

Prerequisites: Upper division or graduate standing, and satisfactory completion of blocks A2 and A3. Introduction to conceptualizing, writing, revising, and publishing the principal academic genres encountered by students including CVs, statements of purpose, scholarships, grant proposals and research reports.

- ANTH 4820 - Readings in Anthropology

---

(1)

Prerequisite: Upper division standing or consent of instructor. Readings and discussions of research and other relevant journal articles concentrating within one sub-discipline of anthropology on a single question current in that field. Content changes with instructor from archaeology to cultural anthropology to linguistic to biological anthropology topics. Lecture/recitation, 1 unit. Repeatable up to 3 units.

- ANTH 4850 - Archaeological Analysis

---

(4)

Prerequisites: ANTH 1700. Introduction to the basic concepts, principles, goals, and methodologies of archaeological analysis and interpretation. May be repeated to a maximum of 12 units for credit. Lecture 4 hours, laboratory 6 hours.

- ANTH 4880 - Project Design in Anthropology

---

(1)

Prerequisites: Instructor consent. Training in methods by which research projects in any of the four fields of anthropology are devised and executed. Develop applied and technical skills involved in designing a project. May be repeated to a maximum of 4 units.

- ANTH 4970 - History of Ethnological Theory

---

(3)

Prerequisites: 12 units of anthropology and/or sociology, as approved by instructor. Historical survey and analysis of major schools of anthropological thought.

- ANTH 4990 - Undergraduate Directed Study

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(3)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and final report submitted. May be repeated to maximum of 8 units.

### **Anthropology (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: ANTH 4970*

*Classified graduate standing is required for admission to all 5000-level courses.*

- ANTH 5010 - Seminar: Ethnography

---

(3)

Prerequisites: Graduate standing in a social science major, instructor consent. Selected topics in major world areas, as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units for different areas.

- ANTH 5100 - Seminar: Anthropological Theory and Analysis

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(3)

Advanced consideration of problems involved in application of anthropological theory to cultural data; limitations of contemporary analytical methods.

- ANTH 5110 - Seminar: Anthropological Theory and Analysis

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(3)

Advanced consideration of problems involved in application of anthropological theory to cultural data; limitations of contemporary analytical methods.

- ANTH 5200 - Seminar: Archaeology

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(3)

Prerequisite: ANTH 4210, 4240, or 4250. Archaeological theory, method, and relationship of archaeological materials to central problems of anthropology. May be repeated once for credit.

- ANTH 5210 - Development of Archaeological Theory

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(3)

Prerequisite: Graduate standing or instructor consent. Presents advanced consideration of the development of archaeological theory from a historical perspective.

- ANTH 5240 - Archaeological Field School

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(4)

Prerequisites: ANTH 1700, ANTH 4240; instructor consent. Advanced experience and instruction in archaeological field methodologies and techniques (e.g., surveys, mapping, excavations, laboratory analyses, etc.). Lecture 2 hours, laboratory and field work 2 hours. May be repeated to a maximum of 8 units.

- ANTH 5300 - Seminar: Social Organization

---

(3)

Prerequisite: Classified graduate standing in anthropology. Problems and theories of contemporary social anthropology. May be repeated once for credit.

- ANTH 5600 - Seminar: Physical Anthropology

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(3)

Prerequisite ANTH 3610 or 4620. Problems and theories of contemporary physical anthropology. May be repeated once for credit.

- ANTH 5630 - Advanced Forensic Anthropology

---

(3)

Prerequisites: Graduate standing and ANTH 4590 and ANTH 4630 and/or instructor approval. Advanced topics in forensic anthropology, including recovery techniques, analyzing skeletal remains, time since death, special techniques, facial reconstruction and photo superimposition, legal aspects of forensic anthropology. Lecture 3 hours, activity 2 hours.

- ANTH 5640 - Forensic Osteology

---

(3)

Prerequisite: ANTH 4590, 4630 and 5630 or consent of instructor. Advanced forensic anthropological study of human skeletal system, including identification of skeletal fragments, preparation and curation of human remains and relevant federal and California laws pertaining to human remains. Lecture 2 hours, Activity 4 hours.

- ANTH 5650 - Bioarchaeology

---

(3)

Prerequisite: Graduate standing or instructor approval. Interpretation of prehistoric and historic human remains for disease, stress, injury and violence. Demographic history of once-living populations. Legal and ethical issues in the field.

- ANTH 5700 - Seminar: Language and Culture

---

(3)

Prerequisite: 12 units of ANTH courses, including 4700 or 4710. Advanced study of concepts of language and culture; use of linguistic data and methods in anthropology; relationships between linguistic and nonlinguistic behavior; linguistic models. May be repeated for credit.

- ANTH 5760 - Primate Sexual Selection

---

(3)

Prerequisites: ANTH 4750 or ANTH 4760 or consent of the instructor. An advanced course that reviews current sexual selection research in human and non-human primates. Topics of discussion will include sperm competition, genital morphology and secondary sexual characteristics.

- ANTH 5800 - Ethnographic Field School

---

(4)

Prerequisite: Classified graduate standing in anthropology; ANTH 2500; Instructor Consent. Advanced principles and methods concerned with ethnographic field work; techniques of gathering, reporting, and interpreting field data relating to research problems and design. Lecture 2 hours, laboratory and field work 6 hours. May be repeated to a maximum of 8 units.

- ANTH 5810 - Writing a Research Proposal

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(3)

Prerequisite: Graduate standing. Introduction to formulating and presenting a research question in the form of a

proposal, including grant and thesis proposals.

- ANTH 5940 - Seminar: Problems in Anthropology

---

(3)

Prerequisite: Classified graduate standing in anthropology. Problems and theories of contemporary anthropology. May be repeated once for credit.

- ANTH 5960 - Comprehensive Examination

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(0)

Must comply with college and department requirements. See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- ANTH 5960 - Comprehensive Examination

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(0)

Must comply with college and department requirements.

- ANTH 5970 - Graduate Studies

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- ANTH 5980 - Graduate Directed Study

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(3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 8 units.

- ANTH 5990 - Thesis

---

(1-3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of thesis proposal prior to registration, completion of 24 units in their Master of Arts degree program as well as ANTH 4810 and ANTH 5102. Independent research resulting in a thesis. Must be repeated to total of 5 units. Graded CR/NC.

- ANTH 9000 - Graduate Studies

---

(0)

Prerequisite: ANTH 5790. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

- **EDCI 0956 - Supplemental Instruction Workshop**

---

(1)

Exploration of learning principles for successful university study in small workgroups to master course content and develop transferable study skills (reasoning, communication, self-assessment) to become independent learners. May be repeated to a maximum of 6 units for credit. Graded CR/NC.

- **EDFN 5001 - Research Methods Seminar**

---

(2)

Methodological and statistical data analysis techniques used in the research processes. Lab techniques include hands-on experience on data collection, data entry, data analysis, and reporting.

- **EDFN 5090 - Seminar in Queer Studies in Education**

**(Also listed as WGSS 5090)**

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(3)

This course explores issues of disruption and critical change in education through the lens of queer theory and reviews policies and practices that impact the experiences of LGBTQ individuals.

- **EDFN 5950 - Field Experience in Evaluation (Practicum)**

---

(3)

Prerequisites: EDFN 4520, EDFN 5000/EDFN5001 or equivalent, EDFN 5410. Supervised field experience in evaluation provides students with practical experience through completion of a direct interaction with professional staff responsible for evaluation of program(s) and/or assessment of students in the local area. Graded CR/NC.

- **EDFN 6052 - Laboratories of Practice: Community Research Lab**

---

(2)

Prerequisite: Admission to doctoral program and EDFN 6051. Faculty-supervised field practicum with community partners on the issues and research needs of local educational organizations; exploring communities as research settings; applying community experiences to planning dissertation research. Must be repeated for credit two times.

- **EDFN 6420 - Statistical Analysis for Doctoral Students**

---

(2)

Prerequisite: Admission into Doctoral Program. Overview of descriptive and inferential statistics (parametric and non-parametric) for understanding and conducting research. Emphasis on equipping future educational leaders with tools and conceptual understanding to make informed, data-driven decisions. Graded CR/NC.

- **EDFN 6430 - Survey Research for Doctoral Students**

---

(2)

Prerequisite: Admission into Doctoral Program or consent of instructor and program director. Designing and conducting



survey research and evaluation for dissertation studies. Topics covered: survey methods, survey construction, design and sampling, data collection and analysis, and writing findings for the dissertation.

- **EDFN 6500 - Research Seminar: Special Topics on Research Methods for Education**

---

(2)  
Prerequisite: Admission to doctoral program or permission of instructor and Ed.D. program director. Research-oriented coverage of a single topic not contained in a regular course. May be repeated to a maximum of 8 semester units.
- **EDFN 6510 - Research Seminar: Special Topics in Educational Disciplines**

---

(2)  
Prerequisite: Admission to doctoral program or permission of instructor and Ed.D. Program Director. Courses cover specific topics, current issues, and innovations related to an educational discipline that are not otherwise presented in a regular course. May be repeated to a maximum of 8 semester units.
- **EDFN 6520 - Academic Writing and Publication for Doctoral Students**

---

(2)  
Prerequisites: Admission into Doctoral Program. Examination of discourse conventions for academic genres, audiences, and purposes. Practice in strategies for writing and revising for varying professional purposes and audiences. Developing academic conference and publication proposals or manuscripts. May be repeated to a maximum of 6 units.
- **EDFN 6990 - Doctoral Dissertation**

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(3)  
Prerequisite: Advancement to candidacy for Ed.D. degree. Continuous enrollment required while student is working on dissertation. May be repeated for credit. Graded Credit or No Credit.
- **EDFN 9000 - Graduate Studies**

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(0)  
Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.
- **TESL 9000 - Graduate Studies**

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(0)  
Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

*\*There is a special fee associated with registering for classes that carry this designation.*

*Upper division standing is prerequisite to enrollment in all upper division art courses. Students majoring or minoring in Art must have completed applicable lower division core courses or equivalents; students in other fields must have instructor consent.*

#### **4000-level Courses**

*All 4000-level courses may be applied toward master's degree requirements except the following, ART 4000, 4010, 4150, 4990. (Art Education Option may apply ART 4000)*

- **ART 1011 - World Art: Ancient to Early Medieval**

---

(3)

Survey of the historical development of world art including painting, sculpture, and architecture from Ancient to Early Medieval

#### **C-ID ARTH 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- **ART 1012 - World Art: Early Medieval to High Renaissance**

---

(3)

Survey of the historical development of world art including painting, sculpture and architecture from Early Medieval to High Renaissance.

**GE C1**

- **ART 1013 - World Art: Baroque to Contemporary**

---

(3)

Survey of the historical development of world art including painting, sculpture, and architecture from Baroque to Contemporary.

#### **C-ID ARTH 120:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- **ART 1030 - Two-Dimensional Art Fundamentals**

---

(3)

Introduction to fundamental concepts, organizing principles and historical references of two-dimensional art. Studio projects develop a visual vocabulary of two-dimensional elements and relationships common to all forms of creative expression. Activity 6 hours.

**CI-D ARTS 100:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ART 1090\* - Three-Dimensional Art Fundamentals**

---

(3)

Introduction to three-dimensional form in nature, sculpture, design and architecture. Recitation 1 hour, activity 4 hours

**CI-D ARTS 101:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

\*There is a special fee associated with registering for this class.

- **ART 1500\* - Survey and Studio: Introduction to Sculpture**

---

(3)

Human development and the arts as experienced through ceramics. Personal exploration within the context of a historical and cultural survey. Lecture 1 hours, activity 4 hours.

**C-ID ARTS 240:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

\*There is a special fee associated with registering for this class.

**GE C1**

- **ART 1520 - Survey and Studio: Introduction to Ceramics**

---

(3)

Human development and the arts as experienced through ceramics. Personal exploration within the context of a historical and cultural survey. Lecture 1 hours, activity 4 hours.

Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class.

**C-ID ARTS 230:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- **ART 1550\* - Survey and Studio: Introduction to Painting**

---

(3)

Human development and the arts as experienced through Painting. Personal exploration within the context of a historical and cultural survey. Lecture 1 hours, activity 4 hours.

**C-ID ARTS 210:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- **ART 1590 - Survey and Studio: Introduction to Drawing**

---

(3)

Human development and the arts as experienced through drawing. Personal exploration within the context of a historical and cultural survey. Lecture 1 hours, activity 4 hours.

**C-ID ARTS 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- **ART 1800 - Digital Design Tools I**

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(3)

Introduction to and analysis of the uses of computer hardware and software in Design; practical and creative applications. Activity 6 hours.

- ART 1810 - Digital Design Tools II

---

(3)

Prerequisite: Art 1800. Introduction to and analysis of the uses of interactive design software in practical and creative applications. Activity 6 hours.

- ART 2090 - Perspectives on Art and Cultural Diversity

---

(3)

Diversity, identity, and power in groups and/or individuals as expressed through form and symbols of visual arts in various cultures. Some sections may include a service learning option. Lecture 3 hours.

**GE C1 (d)**

- ART 2100 - Introduction to Fashion, Fiber and Materials

---

(3)

Introductory course exploring fashion, fiber and materials related to the most recent practices in art, design, and craft systems, locally, nationally and internationally. Lecture 3 hours.

**GE C1**

- ART 2111\* - Materials and Methods I in Fashion, Fiber and Materials

---

(3)

Pre-requisite/co-requisite: Art 2100. Introductory studio course exploring the processes of Fashion, Fiber and Materials in the creation of 3-dimensional objects. Activity 6 hours.

\*There is a special fee associated with registering for this class.

- ART 2112 - Materials and Methods II in Fashion, Fiber and Materials

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(3)

Pre-requisite: Art 2111. Intermediate studio course exploring the processes of Fashion, Fiber and Materials as related to the body and generating wearable objects. Activity 6 hours.

- ART 2120 - Technology I in Fashion, Fiber and Materials

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(3)

Pre-requisite/co-requisite: Art 2100. Introductory studio course exploring digital media processes and applications for Fashion, Fiber and Materials. Activity 6 hours.

- ART 2130 - Historic Survey of Fashion, Fiber and Materials

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(3)

Pre-requisite / co-requisite: Art 2100. An interdisciplinary pre-modern history course exploring fashion, fiber, textiles, crafts and related art and design movements. Lecture 3 hours.

- **ART 2140 - Body, Appearance and Adornment**

(3)

Pre-requisite / co-requisite: Art 2100. Exploration of body, dress and adornment as a reflection of the human narrative through the lens of culture, economics and politics. Lecture 3 hours.

- **ART 2200 - Concept Development**

(3)

Prerequisites: ART 1030, 1090, 1590. Introduction to design thinking and problem solving methodology required for upper division coursework. Activities cover; problem identification, research and information gathering, idea generation, evaluation, and presentation. Lecture 3 hours.

- **ART 2330 - Color Theory and Perception**

(3)

Prerequisite: ART 1030. Study of color theory and color perception. Studio projects explore the aesthetic, practical, psychological, symbolic, historical, scientific and cultural aspects of color. Activity 6 hours.

- **ART 2370 - History of Design**

(3)

Historical survey of design and the design process, including an examination of artistic, cultural, social, and theoretical factors that influence design. Lecture 3 hours.



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**Course Filter**

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### Art (Undergraduate)

*\*There is a special fee associated with registering for classes that carry this designation.*

*Upper division standing is prerequisite to enrollment in all upper division art courses. Students majoring or minoring in Art must have completed applicable lower division core courses or equivalents; students in other fields must have instructor consent.*

#### 4000-level Courses

*All 4000-level courses may be applied toward master's degree requirements except the following, ART 4000, 4010, 4150, 4990. (Art Education Option may apply ART 4000)*

- ART 2400 - Art and Life Perspectives

(3)

Comparative analyses of art forms that express views of time, environment, ancestry, birth and death among indigenous and mixed cultures (developing and industrial). Lecture 3 hours.

**GE E (d)**

- ART 2440\* - Introduction to Life Composition

(3)

Prerequisite: ART 1590. Basic concepts of figure drawing, sculpting and animation, exploration of form, structure, proportions and motion of the human figure. Themes include traditional drawing and sculptural techniques and computer technology as applied to visual expression. Activity 6 hours.

#### C-ID ARTS 200:

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way*

*articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

\*There is a special fee associated with registering for this class.

- **ART 2540 - Special Topics in Art**

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(1-3)

Prerequisite: As needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- **ART 2541 - Special Topics in Art**

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(1-3)

Prerequisite: As needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- **ART 2800 - World Animation History**

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(3)

Survey and analysis of diverse international animation practices, including the history, cultural influences and contemporary interpretations of animation. Lecture 3 hours.

- **ART 2870\* - Introduction to Photographic Processes**

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(3)

Basic principles of black and white photography: tools, materials, techniques, and approaches to photography as an expressive medium. Cameras are available for check out. Recitation 1 hours, activity 4 hours.

**C-ID ARTS 260:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

\*There is a special fee associated with registering for this class.

- **ART 3030 - Three-Dimensional Design**

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(3)

Prerequisites: Art 1030, Art 1090. Theoretical, historical, and functional study of three-dimensional design for creative development. Studio projects explore a variety of materials, processes and technologies. Lecture 1 hour, activity 4 hours.



- **ART 3050 - Technology II in Fashion, Fiber and Materials**

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(3)

Pre-requisites: ART 2120. Advanced studio course exploring digital media processes and applications for Fashion, Fiber and Materials. Activity 6 hours.

- **ART 3070\* - Intermediate Ceramic Art**

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(3)

Prerequisite: ART 1520 or consent of instructor. Intermediate level study of ceramic art concepts, processes, and history. Development of concepts and techniques to achieve individual expression. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 1 hour, activity 4 hours. May be repeated to maximum of 8 units.

\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.

- **ART 3080 - Graphic Design I**

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(3)

Prerequisites: Art 1800, Art 2200, and Art 2330. Introduction to fundamental concepts of graphic design theory and practice including strategy, concept, design and production for visual communication. Lecture 1 hour, activity 4 hours.

- **ART 3100\* - Portfolio for Fashion, Fiber and Materials**

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(2)

Pre-requisite: ART 2100, 2111, 2112, 2120, 2130, 2140. Creation and review of portfolio of the lower division Fashion, Fiber and Materials coursework. Evaluation and critique of work in preparation for entry into upper division Fashion, Fiber and Materials Program. Activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3110 - Social Engagement with Fashion, Fiber and Materials**

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(3)

Prerequisites: the completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The course examines socially responsible innovations in fashion, fiber and materials practices, as related to community engagement - on a local, national and global level. Lecture 1 hour, Activity 4 hours.

**GE UD C (c1)**

- **ART 3130 - Typography I**

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(3)

Prerequisites: ART 1030, 1800. Study of typographic principles, analysis of historical references in typographic design,

and use of digital tools for typography in communication design practice. Activity 6 hours.

- **ART 3140\* - Intermediate Sculpture**

---

(3)

Prerequisite: ART 1500. Continued examination and development of creative approaches in sculpture concepts and processes and the introduction of digital production. Exploration of varied materials as used in individual expression. Recitation 1 hours, activity 4 hours. May be repeated to maximum of 6 units.

\*There is a special fee associated with registering for this class.

- **ART 3160 - Foundations of Art**

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(3)

Exploration of issues in the visual arts as related to philosophies, theories, and practices of teaching and learning in art. Includes field experiences. Lecture 2 hours; activity 2 hours.

- **ART 3170 - Visual Arts in Urban Contexts**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A study of visual arts in various urban contexts. Comparative studies of artists, urban art forums, and processes of achieving recognition and legitimacy among diverse groups. May include service learning (optional). Lecture 3 hours.

**UD GE C (c)**

- **ART 3220 - Interactive Design I**

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(3)

Prerequisites: ART 1810, 2200, 2330. The study and design of interactive experiences, including the effective organization and communication of ideas and information. Activity 6 hours.

- **ART 3400 - Art Practicum**

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(2)

Prerequisites: Requires departmental consent, completion of 60 units and 3.0 GPA. Supervised practical field experience in gallery and art/design exhibition process. Limited to 2 units per semester. Meets 4 hours per week and includes assignments. May be repeated to a maximum of 6 units for free elective credit only. Graded ABC/NC.

- **ART 3410 - Modern to Contemporary History of Fashion, Fiber and Materials**

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(3)

Modern to contemporary history course exploring fashion, fiber, textiles, crafts and related art and design movements. Lecture 3 hours.

- **ART 3560 - Written Expression in Arts**

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(3)

The study and practice of the oral and written communication in the context of the theoretical, aesthetic, philosophical, and critical interpretation of the arts. Lecture 3 hours.

**(wi)**

- **ART 3640 - Intermediate Drawing**

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(3)

Prerequisite: ART 1590 or consent of instructor. Historical study in composition with diversified subjects. Comprehensive drawings in line, value and shape. Lecture 1 hour, activity 4 hours.

- **ART 3700 - The Art of Music Videos and Its Social Impact**

---

(3)

Prerequisites: the completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course will cover the critical issues of representing race, gender and sexuality in music videos produced for promotional and artistic purposes. Lecture 1 hour, laboratory 2 hours.

**GE UD C (d)**

- **ART 3740 - Intermediate Painting**

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(3)

Prerequisite: ART 1550. Continued study of history, styles and content in painting with emphasis on development of individual concepts. Lecture 1 hour, activity 4 hours.

- **ART 3760\* - Story and Visualization**

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(3)

Prerequisites: ART 103, ART 159. Introduction to visual storytelling and content development in preparation for animation projects. Research and exploration of visualization techniques, using imaginative approaches to develop character, narrative and storyboard creativity. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3780\* - Art and Motion**

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(3)

Prerequisite: ART 280 Application of a variety of analog and digital animation approaches that focus on the essential art of time and movement. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3800 - Two-Dimensional Animation**

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(3)

Prerequisites: ART 1800, ART 2800. Production of two-dimensional animated projects, using digital and drawing techniques, as well as other two-dimensional animation methods. Activity 6 hours.

- **ART 3810\* - Experimental Animation**

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(3)

Prerequisites: ART 280, ART 378. Production and practice of non-narrative animation approaches and techniques, with a focus on animation that originates from color, texture; and material experimentation. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3830\* - Digital Modeling**

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(3)

Prerequisite: ART 180. Use of three-dimensional digital modeling methods to create sculptural content and objects interpreted from direct observation. Creative texturing, lighting and surfacing methods are explored. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3870\* - Color and Digital Photography**

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(3)

Prerequisite: Art 2870. Introduction to general photographic color principles; analog and digital photographic tools, materials and approaches. Students produce a comprehensive body of work utilizing color processes. Recitation 1 hour, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 3880 - Illustration**

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(3)

Prerequisites: ART 1590, ART 2330, ART 2440. The study and practice of illustration with an emphasis on various media, composition and narrative values; including study of the historical development of illustration and its role in social context. Activity 6 hours.

- **ART 3900\* - Art and Design in the Community**

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(3)

Prerequisite: Upper division standing or instructor consent. Art and design in public places, the organization of public space and community identity. Participation in collaborative activities utilizing art and design skills in service to the community. May be repeated to a maximum of 8 units. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- ART 3980 - Cooperative Education

(see UNIV 3980)

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(1-6)

Cooperative Education

- ART 4000\* - Teaching Methods for Elementary Education: Art

(3)

Teaching methods include approaches to art criticism, aesthetics, and creative thinking as well as a variety of studio media focus on the developmental needs and abilities of students at the elementary level. Lecture 1 hour and Activity 2 hours. Some sections include service learning.

\*There is a special fee associated with registering for this class.

- ART 4010\* - Proseminar: Critical Theories in Visual Arts

(2)

Prerequisites: ART 101A or 101C; 426; senior standing as Art major or recommendation of department. Systematic approach to art theory, criticism, and evaluation within the visual arts; development of independent critical and artistic viewpoints with regard to creation of art forms.

\*There is a special fee associated with registering for this class.

- ART 4030 - Critical Theory in Fashion, Fiber and Materials

(3)

Pre-requisite/co-requisite: Art 2100. Exploration of the theories of Fashion, Fiber and Materials, investigating their meanings and their relationships to issues of identity, class, gender, labor, economy and politics.

- ART 4040 - Advanced Fashion, Fiber and Materials

(3)

Pre-requisite/co-requisite: Art 3100. Development and production of student projects in a selected area of Fashion, Fiber and Materials, utilizing materials and implementing methods of their choice. 6 hours activity.

- ART 4050 - Techno-Textiles and Wearables

(3)

Pre-requisite/co-requisite: Art 3100. An exploration of the integration of technology as related to Fashion, Fiber and Materials. Digital weaving, digital knitting, and incorporating electronics into textiles. 6 hours activity.

- ART 4060 - Ancient Near Eastern Art and Archaeology

(3)

Art and archaeology of ancient Mesopotamia, Egypt, Crete, and Greece. Principal monuments of architecture, sculpture,

and the applied arts.

- **ART 4080\* - Graphic Design II**

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(3)

Prerequisite: ART 308, 313. Advanced theory and practice of graphic design using visual communication processes and technologies. Project planning and development through study and application of professional practices. Lecture 2 hours, activity 4 hours. May be repeated to maximum 8 units.

\*There is a special fee associated with registering for this class.

- **ART 4090 - Hand vs. Machine**

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(3)

Pre-requisite / co-requisite: Art 3100. Advanced course exploring the relationships between various modes of production, as related to textiles, body, and garment. 6 hours activity.

- **ART 4100 - Concept, Collecting and Collections**

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(3)

Pre-requisite / co-requisite: Art 3100 An exploration of collecting and consumption as a point of departure for concept development and production of collections of objects and wearables. 6 hours activity.

- **ART 4110 - Greek and Roman Art**

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(3)

Art of Greece, its development in Hellenistic and Roman times, and the Etruscan influences.

- **ART 4120\* - Advanced Ceramic Art**

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(3)

Prerequisite: ART 3070. Advanced techniques, concepts, analysis, and history of ceramic art. Student productions of ceramic art using varied methods and approaches. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 3 hours. May be repeated to maximum of 9 units.

*\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.*

- **ART 4130\* - Typography II**

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(3)

Prerequisites: ART 2370, 3080, 3130. Advanced study of typographic design communication including innovative uses

of typography and publication design. Activity 6 hours . May be repeated to a maximum of 6 units.

\*There is a special fee associated with registering for this class.

- **ART 4140\* - Advanced Painting**

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(3)

Prerequisite: ART 374. Studio painting and pictorial organization. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

\*There is a special fee associated with registering for this class.

- **ART 4150 - Exhibition and Performance of Fashion, Fiber and Materials**

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(3)

Pre-requisite/co-requisite: Art 2100. An exploration of materials and methods for creating public events, exhibitions, fashion shows and performances as related to Fashion, Fiber and Materials. 6 hours activity.

- **ART 4160 - Medieval Art**

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(3)

Principal monuments of Medieval architecture, sculpture, and painting covering the Celtic, Carolingian, Ottonian, Romanesque, and Gothic periods.

- **ART 4170\* - Advanced Ceramic Processes**

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(3)

Prerequisite: ART 4120. Advanced theories, analysis, and history of ceramic art, with emphasis on advanced application of ceramic techniques of forming, finishing, and firing to express individual concepts. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or assistance needed to participate in the class. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.

*\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.*

- **ART 4180 - Design Business Practices**

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(3)

Prerequisites: ART 2200, 3080. Entrepreneurial business management for design; training in billing, contracts, portfolios, taxes, marketing, networking, freelance procedures, licenses, and survival strategies. Activity 6 hours.

## ART 4190 - Typography III

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(3)

Prerequisites: ART 3080, 3130. Advanced study in typographic communication design, including the creation of original letterforms and digital fonts. Activity 6 hours. May be repeated to a maximum of 6 units, with instructor approval.

- ART 4210 - Baroque Art

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(3)

Art of Western Europe from 16th through late 17th century.

- ART 4220 - Interactive Design II

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(3)

Prerequisites: ART 3220 and ART 3560. The advanced study and design of interactive media including the effective organization and communication of ideas and information. Activity 6 hours. May be repeated to maximum 6 units.

- ART 4260 - Modern Art

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(3)

Evolution of modern painting, sculpture, and architecture since Impressionism; surrealism, Russian constructivism, and abstract expressionism.

- ART 4290 - Advanced Sculpture

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(3)

Prerequisite: ART 3140. Advanced techniques, theories, concepts, and history in sculpture. Student production of sculpture using varied methods and approaches. Recitation 1 hours, activity 4 hours. May be repeated to a maximum of 9 units.

- ART 4311 - The Arts of Asia: India and Iran

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(3)

Traditional and modern art, architecture and graphic arts of India and Iran. Study of the contribution religion and politics made in the formation of artistic traditions.

- ART 4312 - The Arts of Asia: China and Japan

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(3)

Traditional and modern art, architecture and graphic arts of China and Japan. Study of the contribution religion and politics made in the formation of artistic traditions.

- ART 4340\* - Advanced Painting Processes

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(3)

Prerequisite: ART 414. Techniques of painting; advanced studies in pictorial composition through process, theory and technique. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 12 units.



\*There is a special fee associated with registering for this class.

- ART 4350\* - Exploring the Arts in Early Childhood

---

(3)

A conceptual and experimental approach to the interrelationships of visual arts and dance in the education of young children. Studio experiences included. Lecture 2 hours, activity 4 hours.

*\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.*

- ART 4360 - Renaissance Art

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(3)

Art of Europe from 15th and 16th centuries.

- ART 4410 - American Art

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(3)

History of painting, sculpture, architecture, and minor arts of America from colonial times to present.

- ART 4450\* - Advertising Art Direction

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(3)

Prerequisites: ART 308, 413. Advertising art direction theory and application using various media, processes and technologies for mass communication. Emphasis is placed on marketing and concept development through analysis of cultural, economic, and psychological factors. Lecture 2 hours, activity 4 hours. May be repeated to a maximum of 8 units.

\*There is a special fee associated with registering for this class.

- ART 4460 - Art of Latin America

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(3)

Art of Latin America from ancient civilizations to contemporary painting, crafts, and architecture.

- ART 4470 - The Art of Mesoamerica and the Southwest

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(3)

The art and architecture of the ancient civilizations of pre- Columbian Mesoamerica and the Southwestern region of the United States, from the time of the Olmecs through that of the Maya and Aztecs.

- ART 4490\* - Video for Artists

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(3)

Prerequisite: Art 287 or consent of instructor. Examination of contemporary video art through required readings, viewing artists' videos and student production of video work. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

\*There is a special fee associated with registering for this class.

- ART 4500 - The Colonial Art of Mexico and Guatemala

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(3)

The art and architecture of Colonial Mexico and Guatemala, from the time of the Spanish Conquest in 1521 to Independence from Spain in 1821, with emphasis on: Tequitqui, Baroque and Churrigueresque.

- ART 4510 - Mannerism: High Renaissance to Baroque

---

(3)

Sixteenth century architecture, painting, sculpture, and minor arts from High Renaissance to Baroque.

- ART 4530 - Aztec Art and Culture

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(3)

Art, architecture, and culture of the Aztec civilization of Mesoamerica.

- ART 4540 - Special Topics in Art

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(1-3)

Prerequisites: Upper division standing; courses as needed for specific topic. Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- ART 4541 - Special Topics in Art

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(3)

Current topics of special interest, as announced in Schedule of Classes. May be repeated to maximum of 9 units.

- ART 4560 - Art of the Ancient Andes

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(3)

Art and architecture of the Andean region in South America, from the time of the Chavin culture through the Incas.

- ART 4570 - Mexican Muralists and Frida Kahlo

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(3)

The mural art of Mexico between 1910 and 1974, emphasizing Orozco, Siqueiros, Rivera and Frida Kahlo.

- ART 4600\* - Multicultural Approaches to Visual Arts

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(3)

Prerequisite: ANTH 250. Analysis of art experience as human behavior responsive to sociological, ecological, political and historical conditions in American and other cultures. Specially recommended for students preparing for bilingual/crosscultural specialist credential.

\*There is a special fee associated with registering for this class.

- ART 4660 - Nineteenth Century Art

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(3)

Art of western Europe from David to end of nineteenth century.

- ART 4680\* - Problems in Advanced Design

---

(3)

Prerequisite: ART 408. Advanced study and research in visual communications design and the use of processes and technologies relevant to practice within the professional community. Lecture 2 hours, activity 4 hours. May be repeated for a maximum of 8 units. Some sections of this course require service learning and will be identified in the schedule of classes.

\*There is a special fee associated with registering for this class.

- ART 4740\* - Printmaking: Drypoint, Woodcut and Monoprints

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(3)

Prerequisite: ART 1590. Woodcut, linoleum, and acid free intaglio as a means of personal expression. Traditional, as well as contemporary materials and trends will be covered. May be repeated for to the maximum of 6 units. Activity 6 hours.

*\* There is a special fee associated with registering for classes that carry this designation. Details appear in the Schedule of Classes.*

- ART 4750 - Visual Arts and Human Development

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(3)

Analysis of relationships between the visual arts and aspects of human development through case study research.

- ART 4760\* - Early Christian and Byzantine Art

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(3)

Prerequisite: ART 101A. Art history from 250 to 1453 AD in Eastern Empire, to 476 AD in Western Roman Empire; covers key monuments of architecture, sculpture, painting, and applied arts.

\*There is a special fee associated with registering for this class.

- **ART 4770\* - History of Photography**

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(3)

Prerequisites: ART 101ABC. History of photography from 19th century to present with an emphasis on 20th century practice. Relationship of photography with history, culture, technology, art, social values and other concerns.

\*There is a special fee associated with registering for this class.

- **ART 4810 - African Art**

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(3)

Art of sub-Saharan Africa. Includes historic art of Benin, Ghana, and Congo kingdoms and traditional art of Western Sudan, Guinea Coast, and the Congo.

- **ART 4820\* - Photographic Manipulations and Extensions**

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(3)

Prerequisite: ART 2870. Use of the photographic medium as part of a broad vocabulary of processes and approaches to art-making; exploration of tools, methods and formats that expand and enhance photographic expression. May be repeated to maximum of 6 units. Recitation 1 hours, and activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4840\* - Advanced Sculpture Processes**

---

(3)

Prerequisite: Art 4290. Advanced application of sculpture techniques, including digital processes, to express individual concepts. Recitation 1 hour, activity 4 hours. May be repeated to maximum of 9 units.

\*There is a special fee associated with registering for this class.

- **ART 4870\* - Advanced Photography**

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(3)

Prerequisite: ART 2870. Advancement of photographic skills with an emphasis on individual development and growth. Relevant contemporary art issues will be highlighted in relation to the photographic medium. Lecture 1 hour, and activity 4 hours. May be repeated to a maximum of 6 units. Some sections of this course require service learning and will be identified in the schedule of classes.

\*There is a special fee associated with registering for this class.

- **ART 4880\* - Advanced Illustration**

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(3)

Prerequisite: ART 388. Advanced study of the theoretical, historical and practical aspects of illustration. Exploration and analysis of composition, story line, and dramatization. Lecture 2 hours, activity 4 hours. May be repeated to maximum of 8 units.

\*There is a special fee associated with registering for this class.

- **ART 4910\* - Art Since 1945**

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(3)

Prerequisite: ART 426. Beginning with surrealism and abstract expressionism, this course delineates the many styles of the 1960s and focuses upon postmodern art of the 1970s and 1980s.

\*There is a special fee associated with registering for this class.

- **ART 4921 - Capstone Animation Project**

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(3)

Prerequisites: ART 4940, ART 4960. The design, pre-production, production and post-production of an advanced animated work suitable for portfolio presentation. 6 units required for animation option students. Activity 6 hours.

- **ART 4922\* - Senior Capstone - Art Education**

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(3)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4923\* - Senior Capstone - Art History**

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(3)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4924 - Senior Capstone - Fashion, Fiber and Materials**

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(3)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a

culminating senior project or research paper. 6 hours activity.

- **ART 4925\* - Senior Capstone - Graphic Design/Visual Communication**

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(3)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4926\* - Senior Capstone - Studio Arts**

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(3)

Prerequisite: Submission of a graduation application and consent of department. Advanced problems in a specific Art Option area. Examination of the major theories, criticism, and research in art. Development of a portfolio and a culminating senior project or research paper. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4930 - Digital Image Processing and Illustration**

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(3)

Prerequisite: ART 1800. Advanced study in the use of digital technology and methodology in image processing, image production and illustration. Activity 6 hours. May be repeated to maximum of 6 units.

- **ART 4940 - Three-Dimensional Animation**

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(3)

Prerequisites: ART 1800, ART 2800. Creation of lifelike animation using three-dimensional animation software. Preparation of animated elements and characters for verbal and non-verbal dramatic expression. Activity 6 hours.

- **ART 4950\* - Directed Fieldwork In Art**

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(3)

Prerequisite: Departmental consent, completion of 135 units, and 3.0 GPA. Supervised field experience in a specific area of art providing an opportunity for students to develop practical knowledge in a professional environment.

\*There is a special fee associated with registering for this class.

- **ART 4960\* - Advanced Animation**

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(3)

Prerequisite: ART 376, ART 378, ART 380, ART 494. Creation of short dramatic animation projects using both two-dimensional and three-dimensional techniques. Advanced development of character animation and expressive verbal

and nonverbal acting. Lecture 2 hours, activity 4 hours.

\*There is a special fee associated with registering for this class.

- **ART 4990\* - Undergraduate Directed Study**

---

(1-2)

Prerequisites: Senior standing, completion of all upper division course work in area of study, consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly and a final report submitted. Limited to 3 units per quarter. May be repeated to maximum of 9 units.

\*There is a special fee associated with registering for this class.

### **Art (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following: ART 4000, 4010, 4150, 4990 (Art education option may apply ART 4000)*

*Classified graduate standing is required for admission to all 5000 level courses*

- **ART 5000 - Seminar: Art Education**

---

(3)

Opportunities for art education graduate students to evaluate, explore and investigate new techniques, concepts and research in teaching art in K-12 education. May be repeated to maximum of 6 units.

- **ART 5011 - Art History Seminar: Studies in Classical and European Art**

---

(3)

Prerequisite: Graduate Classified Standing in MA/MFA program. The Classical Cultures of Europe and their Legacies: Varying topics on the Classical cultures, Renaissance, Mannerism and Baroque.

- **ART 5012 - Art History Seminar: Art of Changing Eras**

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(3)

Prerequisite: Classified Standing in MA/MFA program. In-depth study of selected topics in the Arts of the western hemisphere from the 10th to the 20th century CE.

- **ART 5013 - Art History Seminar: Studies in Modern and Contemporary Art**

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(3)

Prerequisite: Classified Standing in MA/MFA program. In-depth studies on selected topics in modern and contemporary arts of Europe, and the United States.

- **ART 5022 - Seminar: Visual Arts**

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(3)

Prerequisite: Classified Graduate Standing. Critical approach to the visual arts through examination of the roles and works of artists in society. May be repeated to maximum of 6 units.



| Students  | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources   |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"><li>Undocumented Students</li><li>GET</li><li>Organizations</li><li>Disability Services</li><li>Events</li><li>Leadership</li><li>University Times</li><li>Student Government (ASI)</li><li>University Student Union</li><li>Golden Eagle Radio</li></ul> | <ul style="list-style-type: none"><li>Admissions</li><li>CSU Mentor</li><li>Disability Services</li><li>Financial Aid and Scholarships</li><li>Graduate Studies</li><li>Housing Services</li><li>International Office</li><li>Orientation Program</li><li>Outreach and Recruitment</li></ul> | <ul style="list-style-type: none"><li>Center for Effective Teaching and Learning</li><li>Human Resources Mgmt</li><li>Academic Personnel</li></ul> | <ul style="list-style-type: none"><li>Alumni Association</li><li>Charitable Gifts</li><li>Volunteer Opportunities</li><li>Fundraising &amp; Development</li><li>Give to Cal State LA</li></ul> | <ul style="list-style-type: none"><li>Academy of Business Leadership</li><li>EPIC</li><li>LACHSA</li><li>Pasadena Bioscience Collaborative</li><li>Pat Brown Institute</li><li>Service Learning</li><li>Stern MASS</li><li>The School of Arts Enterprise</li></ul> | <ul style="list-style-type: none"><li>Campus Tours</li><li>Career Center</li><li>Children's Center</li><li>Clery Report</li><li>Health Center</li><li>Housing Services</li><li>Luckman Fine Arts Complex</li><li>Public Safety and Parking</li><li>Title IX</li><li>University Auxiliary Services</li><li>University Bookstore</li><li>University Student Union</li><li>University Tutorial Center</li><li>University Writing Center</li></ul> |



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# University Catalog

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## Catalog Search

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Courses

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**Course Filter**

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### Art (Graduate)

All 4000-level courses may be applied toward master's degree requirements except the following: ART 4000, 4010, 4150, 4990 (Art education option may apply ART 4000)

Classified graduate standing is required for admission to all 5000 level courses

- **ART 5030 - Graduate Problems in Design**

(2)

Prerequisite: Classified standing in graduate program. Independent research applied to problems of contemporary design permitting students to pursue specific interests in advanced areas. May be repeated to a maximum of 12 units.

- **ART 5042 - MA/MFA Practice in Studio Art**

(3)

Prerequisite: Classified Graduate Standing. Practice and research in a specific area of studio art. Philosophical, conceptual, and practical aspects of professional studio art. Analysis and criticism focusing on the original studio production. May be repeated to a maximum of 9 units.

- **ART 5050 - Research in Art Education**

(3)

The conceptual and methodological aspects of historical, and experimental research in art education.

- **ART 5060 - Graduate Studio: Fashion, Fiber and Materials**

---

(3)

Pre-requisite: Classified Graduate Standing. Exploration of concept development and the production of a collection of objects, textiles, or wearables related to Fashion, Fiber and Materials. May be repeated to a maximum of 6 units. Activity 6 hours.

- ART 5070 - Perspectives on Visual Art, Aesthetics, and Culture

---

(3)

Inquiries into the nature of and relationships among visual art, aesthetics, and culture from various theoretical, philosophical, socio-cultural, and political perspectives.

- ART 5082 - MA/MFA Project Development in Design

---

(3)

Prerequisite: Classified Graduate Standing in graduate program. Project development and research in a specific area of design. Discussion and critical evaluation of individual research and studio production of design. Aesthetic, theoretical, and technical aspects of professional design and visual communication are examined. Activity 6 hours. May be repeated to a maximum of 9 units.

- ART 5090 - Graduate Seminar: Fashion, Fiber and Materials

---

(3)

Pre-requisite: Classified Graduate Standing. Exploratory research, writing, and discussion of contemporary issues in Fashion, Fiber and Materials, culminating in a final research project. 3 hours seminar. May be repeated to a maximum of 6 units.

- ART 5120 - Graduate Photography

---

(2)

Prerequisite: Three upper division photography courses. Intensive study and production work in contemporary photography, current theories, concepts, and techniques. May be repeated to maximum of 12 units.

- ART 5160 - Professional Development: Art and Design in Higher Education

---

(3)

Prerequisite: Classified Graduate Standing. Educational theories, teaching methodologies, instructional strategies and assessment for teaching in art and design, and preparation of professional portfolio for a career in higher education. May be repeated to maximum of 6 units.

- ART 5170 - Graduate Ceramics

---

(3)

Prerequisite: Classified Graduate Standing. Studio practice and research in ceramics stressing advanced competence in technique and concepts. Periodic group presentations and critical analysis. Students with disabilities unable to access the University ceramics lab in the Fine Arts building must request a reasonable accommodation from the Office for Students with Disabilities ideally two weeks in advance of the class start date. The Office for Students with Disabilities will coordinate with other University units to provide reasonable accommodations for students who require assistance, including but not limited to accessing the kilns, potter's wheels, and sinks, plus providing any other equipment or

assistance needed to participate in the class. May be repeated to maximum of 18 units. Activity 6 hours.

- **ART 5220 - Graduate Interactive Design**

---

(3)

Prerequisite: Classified Graduate Standing. Advanced Design, production and dissemination of computer based interactive inquiries that relate specifically to creative and conceptual goals. Emphasis is on effective theoretical and innovative uses of interactive technology. Activity 6 hours, May be repeated to a maximum of 9 units.

- **ART 5310 - Research Methodologies in Art**

---

(3)

Research methodologies and practices of artistic inquiry. Conceptual and technical issues in and requirements related to M.A. and M.F.A. theses, and projects in the Art department.

- **ART 5440 - Graduate Painting and Drawing**

---

(3)

Prerequisite: Classified Graduate Standing. Studio work in various media of painting and drawing, stressing professional competence in techniques and concepts of art. May be repeated to maximum of 12 units. Activity 6 hours.

- **ART 5540 - Special Topics in Art**

---

(1-3)

Prerequisite: Instructor consent (specific prerequisite subject to change, depending upon topic of emphasis or content requirements of the course). Selected topics reflecting current issues, problems, and interests in art. May be repeated for credit to maximum of 9 units as subject matter changes.

- **ART 5541 - Special Topics in Art**

---

(1-3)

Prerequisite: Instructor consent (specific prerequisite subject to change, depending upon topic of emphasis or content requirements of the course). Selected topics reflecting current issues, problems, and interests in art. May be repeated for credit to maximum of 9 units as subject matter changes.

- **ART 5740 - Graduate Printmaking**

---

(3)

Prerequisite: Classified Graduate Standing. Studio work in printmaking media stressing professional competence in techniques and art concepts for digital media, intaglio, lithography, relief or serigraphy. May be repeated to maximum of 6 units. Activity 6 hours.

- **ART 5840 - Graduate Sculpture**

---

(3)

Prerequisite: Classified Graduate Standing. Studio practice in sculpture with the intent of developing a professional body of work. Relevant discussions, periodic group presentations and critical analysis. May be repeated to maximum of 12

units. Activity 6 hours.

- **ART 5940 - Graduate Animation**

---

(2)

Prerequisite: Classified Graduate Standing. Advanced study and production of animation based on clearly stated creative and conceptual goals. Individual expression and innovation are emphasized. May be repeated to a maximum of 12 units.

- **ART 5951\* - Directed Field Work in Art**

---

6

Prerequisite: Classified standing in Graduate program. Supervised experience in professional art industry: community sites, museums, publications, and business. May be repeated to maximum of 8 units.

\*There is a special fee associated with registering for this class.

- **ART 5952 - MFA Professional Field Work in Art**

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(1-6)

Prerequisite: Classified standing in MFA program. Supervised field work experience in professional art industry: museums, publications, design, and business. May be repeated to maximum of 9 units.

- **ART 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **ART 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **ART 5981 - Graduate Directed Study**

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(1-6)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated to maximum of 9 units.

- **ART 5982\* - MFA Directed Study**

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(1-8)

Prerequisite: Instructor consent to act as sponsor. Independent directed study of advanced topics in professional art fields. Regular conferences with sponsor. May be repeated to maximum of 12 units.

\*There is a special fee associated with registering for this class.

- **ART 5991 - Thesis or Project**

---

(1-4)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 6 units. Graded CR/NC.

- **ART 5992 - MFA Project**

---

(1-6)

Prerequisite: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research resulting in MFA project accompanied by a written abstract. May be repeated to maximum of 12 units. Graded CR/NC.

- **ART 9000 - Graduate Studies**

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(0)

Prerequisite: Art 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

#### **Arts & Letters**

- **AL 1010 - Introduction to Higher Education in Arts & Letters**

---

(3)

Focuses on the relationships between student success in the arts and humanities and the skills necessary for decision-making, career placement, and civic responsibility within a global environment.  
Graded ABC/NC

**GE E; IHE**

- **AL 3010 - Transition to Cal State LA for Arts & Letters Majors**

---

(1)

Introduction to Cal State LA for transfer students in Arts and Letters. Emphasis on resources and skills that Will help students attain degree objectives. NIS account required. Graded ABC/NC.

- **AL 3540 - Special Topics in Arts and Letters**

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(3)

Prerequisite: Varies with topic. Topics of special interest, as announced in the Schedule of Classes. In depth presentation and analysis of topics significant to Arts and Letters. Graded ABC/NC.

## Asian and Asian-American Studies (Undergraduate)

- AAAS 1001 - Introduction to Higher Education in the Pacific Century

---

(3)

An IHE course that improves student success in the Pacific century through a critical understanding of Asia, Asian America, local API communities, and civic learning.

**GE E (ihe) (re) (cl)**

- AAAS 1080 - Comparative Ethnic Studies

---

**(also listed as LAS, PAS, CHS 1080)**

(3)

Survey course which examines comparatively the notions of race and ethnicity, the exploitation based on these statuses, and the resulting resistance and multi-ethnic social movements in the U.S. and *elsewhere*.

- AAAS 1400 - Introduction to Globalization, Race, and Place

---

**(Also listed as: LAS 1400 and PAS 1400)**

(3)

Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race and its intersectionality with socioeconomic class and gender.

**GE D (re)**

- AAAS 1500 - Asian-American History

---

**(also listed as HIST 1500)**

(3)

Survey of the Asian experience in America from 1850 to the present. Emphasis on regional and historical context, and the intersectionality of race and ethnicity with class and gender.

**GE C AM (re)**

- AAAS 1600 - History of Asia

---

**(Also listed as HIST1600)**

(3)

History of Asia with an emphasis on major themes and methodologies in the field.

**GE D (d)**

- AAAS 1700 - Understanding Contemporary Asia

---

(3)

Explores population, culture, economy, and political structures of contemporary Asia, with an emphasis on major themes and methodologies in the field.

**GE D (d)**

- **AAAS 2000 - Pacific Asian Culture, People, and Society**
- 

(3)

Introductory survey of the people, history, society, culture, government, and economies of Pacific Asia, with an emphasis on major themes in the field, comparative methodologies, and writing skills.

**GE D (d) (wi)**

- **AAAS 2100 - Asian America: Culture, History, and Community**
- 

(3)

Introductory survey of culture, history, communities of Asian America, with an emphasis on the making of new Asian America and the intersectionality of race and ethnicity with class and gender.

**GE D (re)**

- **AAAS 2200 - Asia and Asian American in Literature, Arts, and Media**
- 

(3)

Comparative and transnational studies of Asian and Asian American cultures with a focus on literature, film, and visual arts.

**GE C1 (re)**

- **AAAS 2630 - Asian-American Experience**

**(also listed as SOC 2630)**

---

(3)

Comparative experiences of Chinese, Japanese, Korean, Filipino, Pacific Islander, Southeast Asian refugee and other Asian groups in the United States. Immigration, adaptation, discrimination, identity, alienation, stratification and other contemporary issues. Some sections may be offered in online or hybrid format.

**GE D (re)**

- **AAAS 2950 - Educational Participation in Communities**
- 

(1-3)

Students volunteer at local agencies serving Asian Pacific Islander communities.

- **AAAS 3000 - Methods of Research & Writing for Asian/Asian American Studies**
- 

(3)

Prerequisite AAAS 1001. This course introduces students to the theoretical frameworks and writing methods in Asian and Asian American Studies. Course content varies depending on the faculty's expertise and research emphasis.

**GE wi**

- AAAS 3480 - Race, Class, and Gender

**(Also listed as PAS 3480)**

---

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the social construction of race, class and gender and the systems that maintain privilege and oppression. Explores methods to counter oppression and empower people who have been historically oppressed.

**GE UD D (re)**

- AAAS 3500 - Ancient East Asian Literature and the Modern World

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Introduction to Ancient East Asian literature; use of Western concepts of modernity to challenge Asian traditions; use of ancient East Asian literature to impact Western “modernity.”

**GE UD C2 (d)**

- AAAS 3510 - Body, Health, and Food Justice in API Communities

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examine intermingling effect of food justice and perceptions of body among Asian Americans, with an emphasis on community engagement and the intersectionality of race and ethnicity with class and gender. This is a **service learning** course that requires students to spend a substantial amount of time participating in service activities off campus.

**GE UD D (re) (cl)**

- AAAS 3520 - Oral History of Asian America

**(also listed as HIST 3520)**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploring Asian American identities and experiences through interviews, with an emphasis on the intersectionality of race and ethnicity with class and gender. This is a service learning course that requires students to spend a substantial amount of time participating in service activities off campus.

**GE UD D (re) (cl)**

- AAAS 3530 - Asian and Asian American Literature

**(also listed as ENGL 3530)**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Transnational studies of historical and cultural intersections in Asia and Asian America with a focus on literature works.

**GE UD C**



- **AAAS 3540 - Asian Economies and New Consumerism**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A survey of economic developments and trends in Asia since WWII through analysis of emerging market and consumer culture.

**GE UD D (d)**

- **AAAS 3730 - Asian Americans, Families, and Community**

---

**(also listed as CHDV 3730)**

(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. An overview of Asian and Asian American individual development in the context of family and community.

**GE UD D (re) (cl)**

- **AAAS 4080 - Comparative Diaspora Studies**

---

(3)

Prerequisite: any lower division course in AAAS, PAS, CHS or LAS. The course is a comparative examination of diaspora among principally Africans, Asians and Latin Americans emphasizing the conditions of dispersal, the patterns of settlement, and the formations of global tribes.

- **AAAS 4150 - Asian American Communities in Southern California**

---

**(Also listed as ANTH 415)**

(3)

The course examines the Asian American enclaves and communities in Southern California by exploring culture, ethnicity, solidarity, political economy, and resistance in their creation and maintenance of communities. Service learning option available.

- **AAAS 4210 - Understanding Korean Culture and Social Organization.**

---

(3)

Focus on enhancing multicultural proficiency through in-depth case study of universals and particulars in Korean culture, history, society, politics, economy, education, literacy and citizenship. Online course.

- **AAAS 4220 - Korea-US Comparative Cultures**

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(3)

Focus on enhancing multicultural proficiency through in-depth comparative study of Korean and American cultures, interpersonal interactions, organizations and institutions. Analyzed through the lens of the other culture. Online course.

- **AAAS 4230 - Internship in Korea**

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(3)

Internship in Korea and Korean American communities, including the internship in TaLK (Teach & Learn in Korea) Scholarship Program of Korea that involves teaching English at Korean local elementary schools. TaLK Scholars can earn credits for these TaLK Scholarship activities up to 8 units for 6-month TaLK Scholars and 12 units for 1-year TaLK Scholars. Required of TaLK scholars.

- **AAAS 4480 - History of Islamic Central Asia**

**(also listed as HIST 4480)**

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(3)

History in global context of the region encompassing Afghanistan, Kazakhstan, Kyrgyzstan, Tajikstan, Turkmenstan, and Uzbekistan, from the seventh century to the present, with emphasis on common religious and cultural trends.

- **AAAS 4490 - Pan Asianism: 19th-20th Century Asian Intellectual History**

**(also listed as HIST 4490)**

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(3)

Study of 19th and 20th century diverse Asian intellectual and political responses to the modern world, experienced particularly, but not exclusively, in the form of European imperialism and colonialism.

- **AAAS 4500 - Advanced Seminar in Asian and Asian-American Studies - Research Method**

(3)

Prerequisites: AAAS 3000. A content variable seminar with writing and oral presentation experiences which explore in depth a selected topic in Asian and/or Asian-American cultures and histories in transnational contexts.

- **AAAS 4510 - Advanced Seminar in Asian and Asian American Studies- Community Service**

(3)

Explores Asian Pacific Islander families in the U.S. and addresses issues of domestic violence and sexual assault in API communities through community engagement. This is a service learning course that requires students to spend a substantial amount of time participating in service activities off campus.

- **AAAS 4520 - Advanced Seminar in Asian and Asian-American Studies- Cultural Competency**

(3)

Explores history, language, culture, religion, art, literature, ethnicity, demography, education system, economy, and political structures of an Asian country or region, as well as its communities in the United States.

- **AAAS 4530 - Cultural Competency for Professionals: Understanding Asia and Asian America**

(3)

Introduces useful knowledge and effective skills to students who plan to work for Asian or Asian American organizations,

clients, and companies.

- **AAAS 4722 - Women, Gender, and Sexuality in Asian American Communities**

**Also listed as WGSS 4722**

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(3)

Examines the lives of Asian-origin women in the US; gender, culture, and racialization; the politics of gender in Asian American communities; media representations; and histories of migrations, work, and activism.

- **AAAS 4800 - Asia in the Global World**

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(3)

Explores the rise of Asia and its impact on the global order.

- **AAAS 4850 - Anti-colonial Movements**

**Also listed as LAS 4850, PAS 4850**

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(3)

Prerequisite: LAS 1500 or permission of instructor. The course considers organized resistance to European imperial and colonial empires among colonized populations. Special attention is given to Asian, African, and Latin American regions.

- **AAAS 4870 - Psychosocial Aspects and Collectivism in Asian and Asian American Societies**

**Also listed as COUN 4870**

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(3)

An examination of Asian and Asian American experiences, confronting issues of immigration, racialization, exclusion, social and political activism, assimilation, disabilities, and transnationalism; addresses individualism and collectivism in the 21st century. Some sections of this course may be taught online.

- **AAAS 4880 - Geography and Geopolitics in East Asia and Southeast Asia**

**Cross-listed with GEOG4880**

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(3)

Physical, economical, and political geography of Asian countries with an emphasis on changing geopolitics and regional stability. The course includes either a field trip to Asia or a local internship.

- **AAAS 4980 - Cooperative Education**

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(3)

Prerequisite: complete 30 semester units, 2.35 GPA. Cooperative Education coordinator. Participation in work experience integrated with academic program; assignments arranged individually in advance through coordinator. Minimum of 10 hours per week required for each unit. A maximum of 3 units may be repeated for credit. Graded CR/NC

## AAAS 4999 - Undergraduate Directed Study

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(3)

Prerequisites: Consent of faculty sponsor, approval of proposed project before registration, ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. May be repeated to maximum of 8 units.

### Astronomy (Undergraduate)

- **ASTR 1510 - Principles of Astronomy**

---

(2)

Recommended corequisite: ASTR 1520. Nonmathematical survey of modern astronomy. Understanding of the night sky, the solar system, stars, and the universe, and of the scientific methods which led to this knowledge. Lecture 2 hours. Together with ASTR 1520, satisfies GE B1.

**GE B1**

- **ASTR 1520 - Principles of Astronomy: Laboratory**

---

(1)

Corequisite or prerequisite: ASTR 1510. Laboratory experiments, take-home observational assignments, and field trips designed to complement Astronomy 1510 lecture. Up to two nighttime telescope sessions. Laboratory 3 hours. Together with ASTR 1510, satisfies GE Block B1.

**GE B1**

- **ASTR 1600 - Space, Time and the Universe**

---

(3)

Current scientific understanding of the origin and evolution of the universe, fundamental forces and particles, black holes, arrow of time, and methods of physics which led to this understanding. Lecture 2 hours, laboratory 3 hours. Satisfies GE B1.

**GE B1**

- **ASTR 3600 - Ancient and Modern Views of the Universe**

---

(3)

Prerequisites: Completion of Basic Subjects (Block A) and at least one course from Block B. Additional prerequisite for majors in the Physics and Astronomy Department: Satisfactory completion of the Graduation Writing Assessment Requirement (WPE). Not available for students with credit for ASTR 3601. Scientific theories of the Universe from ancient Mediterranean and Chinese cultures to present day Big Bang Cosmologies. Satisfies the upper division writing course in the major requirement. Lecture 3 hours.

**GE UD B**

- **ASTR 3601 - Ancient and Modern Views of the Universe Writing Intensive**

---

(3)

Prerequisites: Completion of Basic Subjects (Block A) and at least one course from Block B. Additional prerequisite for majors in the Physics and Astronomy Department: Satisfactory completion of the Graduation Writing Assessment Requirement (WPE). Not available for students with credit for ASTR 3600. Scientific theories of the Universe from ancient Mediterranean and Chinese cultures to present day Big Bang Cosmologies. Satisfies the upper division writing course in the major requirement for physics and astronomy majors. Intensive practice in writing scientific reports including physics and astronomy literature searches. Lecture 3 hours.

**GE UD B; (wi)**

- **ASTR 4000 - Elements of Modern Astronomy**

---

(3)

Prerequisites: PHYS 2200. PHYS 3200 recommended. Survey of modern astronomy, designed for students majoring in physical sciences, engineering, or mathematics. Lecture 3 hours.

- **ASTR 4110 - Introduction to Astrophysics**

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(3)

Prerequisite: PHYS 3200 recommended. Celestial mechanics, stellar interiors, atmospheres, and evolution; introductory cosmology.

- **ASTR 4900 - Community Astrophysics Project**

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(3)

Prerequisites: PHYS 3300 or 3400, ASTR 3600 or 3601, and one of the following ASTR 4000, ASTR 4110, or PHYS 4251. PHYS 3200 recommended. Students use astrophysics knowledge to design a new public exhibit for Griffith Observatory or other science facility and develop Civic Learning/Community Engagement (CL) skills at the upper division level. Astrophysics review and scientific programming culminating in a technical project proposal. Lecture 3 hours.

**Satisfies writing intensive (wi) requirement.**

#### **Aviation Administration (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 1400 - General Aeronautics**

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(3)

Prerequisite; none. Introduction to aerodynamics, aircraft systems, flight instruments, regulations, airport operations, meteorology, aircraft performance, pilotage, navigation and communications procedures.

- **TECH 1430 - Airport Operations**

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(3)

Overview of the operation of general aviation and commercial airports. Course includes ground and baggage handling,

terminal and airfield operations, aircraft emergencies, ground access, and FAR Part 139.

- **TECH 3400 - Airline Operations**

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(3)

Operational techniques and current problems confronting airlines: control tower operations, airport lighting, radio and meteorological service, reservations, ticketing, passenger trends, feasibility route studies, fire and crash protection, and air route traffic control centers. Field trips included.

- **TECH 3410 - General Aviation Operations and Administration**

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(3)

Airport administration; organization, personnel, maintenance, zoning, facilities adequacy, financing, planning, operations, revenues and expenses, public relations, evaluation and safety; socioeconomic effect of airports on communities served.

- **TECH 3420 - Airline Administration**

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(3)

Prerequisite: Upper division standing. An introduction to the deregulated and global airline industry of the 21st century, including LFA competition, fleet and network realignment, mergers, acquisitions and bankruptcies.

- **TECH 3430 - Airport Administration**

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(3)

Prerequisite: Upper division standing or with permit of instructor. Airport operations management; lighting, fuel systems, field marking, field buildings, hangars, communications, maintenance, protection/security, fire-fighting, and surrounding security problems and airport strategic management.

- **TECH 3440 - Aviation Law**

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(3)

Prerequisites: Upper division standing. Introduction to aviation law within the context of local, state, federal and international regulations, treaties and conventions.

- **TECH 3450 - Air Cargo**

---

(3)

Prerequisites: Upper division standing or with permit of instructor. Business plan for start-up cargo airline includes mission/vision statements, forecasting, payload/range analysis, market opportunity research, sales and promotion strategies, and cost/revenue analysis.

- **TECH 3460 - National Airspace System and Air Traffic Control**

---

(3)

Prerequisites: Upper division standing or with consent of instructor. U.S. system of air navigation and air traffic control; communications, facilities, airways, controlled and special use airspace, and authorized flight procedures.

- **TECH 4400 - Safety Factors in Aviation**

---

(3)

Prerequisite: Upper division standing. Aviation safety related to air traffic control, passenger service, maintenance, and ground/air operations; history, accidents, terminology, liability, worker performance, information source, and safety program organization.

- **TECH 4410 - Aviation Sales**

---

(3)

Prerequisite Upper Division Standing. Sales in airline operations and aviation industry; research, demand analysis, advertising and promotion, traffic and price determination.

- **TECH 4420 - Airport Planning**

---

(3)

Prerequisite: Upper Division Standing. Concepts of airport planning and construction; community surveys related to social, economic, and physical characteristics; political influences and phases of airport construction.

- **TECH 4430 - Air Transportation**

---

(3)

Prerequisite: Upper Division standing. Facilities, state and federal regulations, legal characteristics, problems, and services of U.S. carriers; organizational function of Federal Aviation Agency, Civil Aeronautics Board, and U.S. Bureau of Transportation.

- **TECH 4460 - Airport Finance**

---

(3)

Introduction to airport finance and the tools to analyze it. Includes interactive spreadsheet analyses of airport operating budgets, airport development feasibility, and project financial evaluation.

- **TECH 4470 - Senior Seminar: Aviation Problems**

---

(3)

Prerequisite: Senior standing. Selected topics about current aeronautical administration problems; interaction with aviation executives. Field trips may be required.

- **TECH 4480 - Case Studies in Airline Finance**

---

(3)

Prerequisite: Upper division standing. Case studies of airline finances and the tools to analyze them. Includes interactive spreadsheet analysis of airline economic base, financial statements, sources and uses of funds, and financial planning.

## Bioinformatics (Undergraduate)

- **BINF 4000 - Bioinformatics and Computational Biology**

**(also listed as CHEM 4860)**

---

(3)

Prerequisites: BIOL 1100 and CS 2011 (or CIS 2830); upper division or graduate level standing. Theory and application of software programs that analyze genes and proteins; creation of programs designed to search databases and align sequences. Lecture 2 hours, laboratory 3 hours

- **BINF 4010 - Data Mining Applications in Molecular Life Sciences**

---

(2)

Prerequisites: BINF 4000 (OR CHEM 4860), BIOL 3000 (OR ECON 3090 OR MATH 4740). Introduction to tools that mine data from molecular life science databases. Strategies for parameter selection. Analysis of machine learning programs to create algorithms. Statistical measurements of algorithm accuracy through cross-validation. Lecture 1 hour, laboratory 3 hours.

- **BINF 4020 - Phylogenomic Analysis**

---

(2)

Prerequisites: BINF 4000 or CHEM 4860, BIOL 3000 (or ECON 3090 or MATH 4740), upper division status and permission of the instructor. Fundamentals of phylogenetics and tools for large-scale phylogenomic analyses. Interpretation of gene and species trees, selection of evolutionary models, implementation of phylogenetic analyses, interpretation of support statistics, and hypothesis testing. Lecture 1 hour, laboratory 3 hours.

- **BINF 4500 - Advanced Topics in Bioinformatics and Computational Biology**

---

(1)

Prerequisite: BINF 4010. Review of current advances in bioinformatics and computational biology. Recitation-Laboratory 6 hours.

- **BINF 4540 - Special Topics in Bioinformatics**

---

(1-3 units)

Prerequisites: BINF 4000 (or CHEM 4860). Specialized topics in bioinformatics, genomics, or computational biology for advanced level students. May be repeated to a maximum of 6 units.

## Biological Sciences (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 4990 and all courses with the suffix N.*

- **BIOL 0530 - Health Professions Enrichment**

---

(1)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053B, 053C, 053D and 053E for a total of 10 units. Emphasizes key principles in biology important for entry to the health professions.



Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 0531 - Health Professions Enrichment**

(1)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053C, 053D and 053E for a total of 10 units. Emphasizes key principles in organic chemistry important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC.)

- **BIOL 0532 - Health Professions Enrichment**

(1)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053D and 053E for a total of 10 units. Emphasizes key principles in physics important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 0533 - Health Professions Enrichment**

(1)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053C and 053E for a total of 10 units. Emphasizes key principles in general chemistry important for entry to the health professions. Lecture 2 Hours. No credit toward baccalaureate. (Graded CR/NC)

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|--|--|--|--|--|---|
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## Course Descriptions

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### Course Filter

Filter this list of courses using course prefix, course code, keywords or any combination.

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### Biological Sciences (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 4990 and all courses with the suffix N.

- **BIOL 0534 - Health Professions Enrichment**

(1)

Prerequisite: Enrollment by Permit Only. Corequisites: Students must be concurrently enrolled in BIOL 053A, 053B, 053C and 053D for a total of 10 units. Emphasizes key principles in written communication important for entry to the health professions. Lecture 2 hours. No credit toward baccalaureate. (Graded CR/NC)

- **BIOL 1010 - General Biology**

(3)

Introductory biology for non-majors with an emphasis on the process of science and principles common to all domains of life; topics include metabolism, inheritance, evolution, organismal structure and function. Lecture 2 hours, laboratory 3 hours. No credit toward Biology major or minor.

**GE B2**

- **BIOL 1030 - Life Science**

(4)

Basic concepts in life science such as the flow of energy and information through biological systems from micro- to macro-scales. The process of science and principles common to all domains of life; topics include metabolism, inheritance, evolution, organismal structure and function. No credit toward Biology major or minor. Recommended for

Elementary Subject Matter (ESM) majors. Lecture 3 hours, laboratory 3 hours.

- **BIOL 1040 - Science Orientation**

---

(2)

Prerequisite: Instructor consent. Exploration of skills essential for success in the sciences; presentations by professional scientists. No credit toward science majors. Lecture 2 hours. Graded CR/NC.

- **BIOL 1054 - Selected Topics in Biology**

---

(1-3)

Topics of current interest in biology as announced in Schedule of Classes. No credit toward Biology major or minor.

- **BIOL 1100 - Principles of Biology I**

---

(5)

Prerequisite: Calculus ready The flow of energy and information through biological systems from micro- to macro-scales. Cellular structure and function across the domains of life, metabolism, Mendelian and population genetics. Lecture 3 hours, Laboratory 3 hours. Recitation 1 hour.

- **BIOL 1200 - Principles of Biology II**

---

(5)

Prerequisites: BIOL 1100 with grade of C or better, and calculus ready. Introduction to the ecology, evolution, and diversity of life; structure and function, reproduction, and energy metabolism in plants, animals, and fungi. Lecture 3 hours, Laboratory 3 hours, and Recitation 1 hour.

- **BIOL 2010 - Human Anatomy and Physiology I**

---

(4)

Prerequisite or corequisite: CHEM 1010. Structure and function of the cell and tissue; anatomy and physiology of the skeletal, muscular, digestive, and urinary systems. Lecture 3 hours, laboratory 3 hours. No credit toward Biology major or minor.

- **BIOL 2020 - Human Anatomy and Physiology II**

---

(4)

Prerequisite: BIOL 2010. Anatomy and physiology of the cardiovascular, respiratory, nervous, endocrine, and reproductive systems. Lecture 3 hours, laboratory 3 hours. No credit toward Biology major or minor.

- **BIOL 3000 - Biostatistics**

---

(3)

Prerequisites: Grade of C or higher in BIOL 1200; calculus ready. Statistical analysis applied to biological problems, with emphasis on sampling, experimental design, chi-square analysis, t-test, analysis of variance, regression analysis, and correlation analysis. Lecture 2 hours, laboratory 3 hours.

- **BIOL 3084 - Biology of Human Aging**

---

(3)

Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Age-related changes in human physiology and anatomy at the molecular, cellular, and organismal levels; relationship of late-onset diseases to the aging process. No credit toward biology major or minor. Lecture 3 hours.

**UD GE B**

- **BIOL 3100 - General Microbiology**

**(also listed as MICR 3100)**

---

(4)

Prerequisites: BIOL 1200; CHEM1110. Fundamental biological principles of microbes. Introduction to structure, function, growth, nutrition, genetics, microbial metabolism and diversity, and environmental, industrial, and medical aspects of microbiology. Lecture 3 hours: laboratory 3 hours.

- **BIOL 3200 - Professional Writing in the Life Sciences**

---

(3)

Prerequisite: BIOL 3000. Introduction to writing techniques and conventions within the life sciences; intensive practice in discipline-specific communication including research papers, reviews, presentations, curriculum vitae, and professional letters. Lecture 1 hour, activity 6 hours.

**GE (wi)**

- **BIOL 3400 - Cell Biology and Genetics**

---

(3)

Prerequisite: BIOL 3000. This course covers structure, function and biogenesis of cellular organelles and the cytoskeleton and the principles of classical and molecular genetics as demonstrated in plants, animals and microorganisms; emphasis on mechanisms of inheritance, structure of genetic material, breeding experiments with suitable organisms, analysis and interpretation of data. Lecture 3 hours.

- **BIOL 3401 - Cell and Molecular Laboratory**

---

(2)

Prerequisite or Corequisite: BIOL 3400. This course will introduce some experimental techniques used to study topics in cell and molecular biology. Laboratory 6 hours.

- **BIOL 3600 - Integrative Organismal Biology**

---

(3)

Prerequisite: BIOL 3000. Course will address biological diversity, primarily in plants and animals. Organismal diversity

will be presented within an evolutionary context. Relationships between form and function as well as relationships of organisms to their environments will be addressed. Lecture 3 hours.

- **BIOL 3800 - Ecology and Evolution**

---

(3)

Prerequisites: A grade of C or better in BIOL 1200; BIOL 3000, and 3400. Interaction of organisms with their environment at individual, population, and ecosystem scales. Micro- and macroevolutionary processes leading to biological diversity. Lecture 3 hours.

- **BIOL 3960 - Honors Thesis**

---

(1-4)

Prerequisites: Upper division standing, 40 units in major, Successful completion of A3, admission to the Biology Honors program Independent research in culminating in a written thesis, seminar presentation, and oral defense Must be repeated until 4 units have been completed, after which no additional units may be taken. Graded CR/NC.

- **BIOL 3980 - Cooperative Education**

---

**(See UNIV 3980)**

(1-3)

Cooperative Education

- **BIOL 4080 - Experimental Design and Advanced Biostatistics**

---

(3)

Prerequisite: BIOL 3000. Experimental design in statistical procedures, advanced topics in analysis of variance, linear and nonlinear regression analysis, covariance; introduction to multivariate techniques used in biological research. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4120 - Human Genetics**

---

(3)

Prerequisite: BIOL 3400. Overview of the latest developments in human genetics from the discovery of human disease genes to interpretation of the latest Human Genome Project data. Discussion of major human genetic disorders. Lecture 3 hours.

- **BIOL 4130 - Molecular Diagnostics**

---

(3)

Prerequisites: BIOL 3400 or MICR 4100 or CHEM 4310 and CHEM 4320. Biological and technical aspects of molecular approaches to diagnosis of disease. Recommended for individuals considering careers in either clinical or research applications of biotechnology. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4150 - Population Genetics**

---

(3)

Prerequisite: BIOL 3400. Forces that shape the genetic structure of populations; random genetic drift; mutation; natural selection; inbreeding; assortative mating; molecular evolution; quantitative genetics; ecological genetics. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4160 - Molecular Genetics**

---

(3)

Prerequisites: BIOL 3400, CHEM 2200. The structure and function of genes and genomes. Topics include the assembly and analysis of genomes, the regulation of genome expression, replication and repair. Lecture 3 hours.

- **BIOL 4170 - Gene Manipulation**

---

(3)

Prerequisites: BIOL 3400 or MICR 3300 or CHEM 4310 + CHEM 4320 + CHEM 4311. Genetic engineering and its application in molecular biology and biotechnology. Lecture 3 hours.

- **BIOL 4180 - Advanced Evolutionary Biology**

---

(3)

Prerequisite: Grade of C or higher in BIOL 3800. Advanced study of selected topics in evolutionary biology including mechanisms of speciation, epigenetics, quantitative genetics, phylogenetics, comparative methods, evolutionary developmental biology, and the history of life on earth. Lecture 3 hours.

- **BIOL 4200 - Global Change**

---

(3)

Prerequisites: Grade of C or higher in BIOL 3200. Considers major transformations in the Earth's interlinked physical and biological environments, the causes of these changes (both anthropogenic and natural), and their likely consequence for the Earth's biological systems. Lecture 3 hrs.

- **BIOL 4240 - General Embryology**

---

(3)

Prerequisites: Grade of C or higher in BIOL 1200. Molecular biology of genetic programming, cellular events of early embryogenesis, mechanisms of differentiation, and elements of organogenesis. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4290 - Animal Histology**

---

(4)

Prerequisite: Grade of C or higher in BIOL 1200. Basic structural, chemical, and physiological aspects of tissues, recent advances in histological technology; traditional microscopic study of tissues and organs, primarily mammalian. Lecture 2 hours, laboratory 6 hours.

- **BIOL 4300 - Plant Physiology I**

---

(4)

Prerequisites: Grade of C or higher in BIOL 1200; CHEM 1110. Growth and development, growth regulation, plant-water

relations, mineral nutrition, photosynthesis and respiration. Lecture 2 hours, laboratory 6 hours.

- **BIOL 4320 - Fundamentals of Toxicology**

---

(3)

Prerequisites: BIOL 3400 + CHEM 3200 + CHEM 2211. A survey of important drugs and environmental toxicants; absorption, distribution, metabolism, and excretion of drugs and toxic compounds; mechanisms of toxic action; human and ecological risk assessment. Lecture 2 hrs, Laboratory 3 hrs.

- **BIOL 4330 - Integrative Human Physiology I**

---

(3)

Prerequisite: BIOL 3400. Physiological phenomena at the organismic level. Muscular, nervous, endocrine and reproductive systems; laboratory techniques and principles. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4340 - Integrative Human Physiology II**

---

(3)

Prerequisite: BIOL 3400. Physiological phenomena at organismic level; digestive, respiratory, excretory, and circulatory systems. Laboratory techniques and principles. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4350 - Neurobiology: Neuroanatomy**

---

(3)

Prerequisite: BIOL 3400. Gross and Microscopic structure of the mammalian nervous system, organizational aspects, classical lesions and deficits. Lecture 3 hours.

- **BIOL 4360 - Neurobiology: Cellular and Molecular Physiology of the Nervous System**

---

(3)

Prerequisite: BIOL 3400. A study of molecules and their roles in the basic cellular physiology of the vertebrate nervous system. Lecture 3 hours.

- **BIOL 4370 - Cell Signaling**

---

(3)

Prerequisite: BIOL 3400. A topical course on cellular phenomena such as information flow, bioenergetics, control mechanisms, motility phenomena, and molecular behavior of reactive surfaces. Lecture 2 hours, laboratory 3 hours.

- **BIOL 4390 - Endocrinology**

---

(3)

Prerequisite: BIOL 3400. Anatomy, physiology, biochemistry, and molecular biology of the endocrine system. Includes in depth consideration of the mechanisms regulating hormone production, synthesis, and action. Lecture 3 hours.

- **BIOL 4400 - Plant Systematics**

---

(3)

Prerequisite: Grade of C or higher in BIOL 1200. Principles of phylogenetic analysis and classification; land plant evolutionary diversity; identification and relationships of major angiosperm families. Lecture 1 hours, laboratory 6 hours; weekend field trips may be required.

- **BIOL 4450 - Bioscience Companies: From Concept to Market**

---

(3)

Prerequisites: Completion of first full year of coursework in a major in one of the following colleges: College of Natural and Social Sciences; College of Engineering, Computer Science and Technology; College of Business and Economics; College of Health and Human Services. Describes moving an idea through basic and applied research into pharmaceutical, biologics, and medical device industries. Emphasizes interdependence of the sciences, engineering, business and management, intellectual property, and regulatory affairs. Lecture 3 hours.

- **BIOL 4490 - Neurobiology: Development**

---

(3)

Prerequisite: BIOL 3400. Current concepts of and experimental approaches to the development of the nervous system; as well as the maintenance and remodeling of neuronal connections. Lecture 3 hrs.

- **BIOL 4500 - Botanical Medicine**

---

(3)

Prerequisite: Completion of the BIOL 1100-1200 series. Historical and modern use of plant-derived medicines in culturally and ecologically diverse medical systems; taxonomy and biochemical properties of plants used to treat disorders of major human physiological systems. Lecture 3 hours.

- **BIOL 4510 - Ornithology**

---

(3)

Prerequisite: Grade of C or higher in BIOL 1200. Taxonomy, distribution, physiology, life history, ecology, and behavior of birds. Lecture 2 hours, laboratory and/or field work 3 hours.

- **BIOL 4540 - Special Lecture Topics in Biology**

---

(1-3)

Prerequisites: Upper division standing, others as needed for specific topic. Topics of current interest in biology as announced in Schedule of Classes. May be repeated to maximum of 12 units.

- **BIOL 4541 - Special Activity Topics in Biology**

---

(1-3)

Prerequisites: Upper division standing, others as needed for specific topic. Topics of current interest in biology as announced in Schedule of Classes. May be repeated to maximum of 12 units.



- **BIOL 4550 - Mammalogy**

---

(3)

Prerequisite: Grade of C or higher in BIOL 1200. Taxonomy, distribution, ecology, and physiology of mammals. Lecture 2 hours, laboratory and/or field work 3 hours.

- **BIOL 4570 - Marine Invertebrate Zoology**

---

(4)

Prerequisite: Grade of C or higher in BIOL 1200. Taxonomy, phylogeny, and natural history of major marine invertebrates taxa; laboratory work emphasizes species from local fauna and those of economic importance. Lecture 3 hours, laboratory 6 hours.

- **BIOL 4620 - Plant Ecology**

---

(3)

Prerequisite: BIOL 3800. Plants and plant communities in relation to physical and biotic environments, ecophysiology, demography, species interactions, community structure, and ecosystem function. Lecture 2 hours, laboratory and/or field work 3 hours.

- **BIOL 4700 - Conservation Biology**

---

(3)

Prerequisite: BIOL 3800. Biological diversity of animals and plants; genetics and ecology of small populations; protection and management of threatened species and communities. Lecture 2 hours, laboratory and/or field work 3 hours.

- **BIOL 4720 - Marine Ecology**

---

(3)

Prerequisite: BIOL 3800. Population and community ecology of major habitats in marine environment; lecture emphasizes contemporary theories in marine ecology; laboratory offers practical field experience. Lecture 2 hours, laboratory and/or field work 3 hours.

- **BIOL 4800 - Modeling Biological Systems**

---

**(Also listed as MATH 4800)**

(3)

Prerequisites: minimum grade of C in Math 2050 or in both Math 2150 and Math 2550. Modeling techniques applied to biological systems. Topics include nonlinear dynamics, stochastic models, compartmental and spatial models, parameter estimation, methods of model evaluation, modeling complexities. Lecture 3 hours.

- **BIOL 4810 - Animal Cell Culture Theory and Technique**

---

(3)

Prerequisites: BIOL 3400 or MICR/BIOL 3100 or CHEM 4310. Topics include extracellular matrix, signaling, differentiation, primary cells, stem cells and immortalized cells as applied to in vitro cultures. Basic and selected advanced cell culture techniques. Laboratory 9 hours.

- **BIOL 4840 - Drug Discovery and Development**

**(also listed as CHEM 4840)**

---

(3)

Prerequisites: CHEM 3200 and either BIOL 3400 or CHEM 4300 or CHEM 4310. An overview of the process of drug discovery and development, with an emphasis on academic and industrial research methodology. Lecture 2 hours, Laboratory 3 hours.

- **BIOL 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Consent of full-time faculty member in consultation with department chair, grade point average of 2.5 or higher. Project must be approved before registration. Student must have ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. Graded CR/NC.

- **BIOL 5960 - Graduate Studies**

---

(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

### **Biological Sciences (Graduate)**

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: BIOL 4990 and all courses with the suffix N.

Classified graduate standing is required for admission to all 5000 level courses.

- **BIOL 5000 - Graduate Orientation**

---

(1)

Requirements and expectations of the M.S. degree program in Biology, introduction to good practices of laboratory science and research, future career paths. Must be taken during the first semester of the degree program. Graded CR/NC.

- **BIOL 5100 - Seminar: Biology**

---

(1)

Attendance at regular departmental seminar program: participation in seminar training program with course instructor; presentation of a departmental seminar. Graded CR/NC.

- **BIOL 5170 - Seminar: Gene Manipulation**

---

(3)

Prerequisites: BIOL 4170; instructor consent. Critical evaluation and communication of recent literature in molecular biology. May be repeated to maximum of 6 units.

- **BIOL 5180 - Biotechnology Skills Laboratory**

---

(3)

Prerequisite: MICR 3500 or CHEM 4310/4320 (for Biology, Microbiology, Chemistry or Biochemistry majors) or instructor consent for students of other majors of good academic standing. A project team based course that covers various stages of a generic drug discovery process, including project design, management, and reporting.

- **BIOL 5190 - Genetic Engineering Laboratory**

---

(5)

Prerequisites: BIOL 4170; BIOL 3400/3401 or BIOL 3100/MICR 3100; CHEM 4310/4320. Introduction to basic techniques. Lecture 2 hours, laboratory 18 hours.

- **BIOL 5200 - Seminar: Professional Writing in the Life Sciences**

---

(2)

Scientific method, preparation of a prospectus, writing scientific manuscripts, grantsmanship, peer review, and presentation techniques. Seminar 1 hour, laboratory 3 hours.

- **BIOL 5400 - Seminar: Data Analysis for the Biological Sciences (3)**

---

(3)

Prerequisites: Consent of instructor. Advanced study of selected topics in methods of data analysis. May be repeated once for a maximum of 6 units.

- **BIOL 5410 - Seminar: Hot Topics**

---

(3)

Advanced study of the latest ground breaking discoveries in the broader field of biological science. May be repeated once for a maximum of 6 units.

- **BIOL 5420 - Seminar: Organismal Biology**

---

(3)

Advanced study of selected topics in the fields of organismal biology and physiology. May be repeated once for a maximum of 6 units.

- **BIOL 5430 - Seminar: Ecology - Environmental Biology**

---

(3)

Prerequisite: Consent of instructor. Advanced study of selected topics in methods of data analysis. May be repeated once for a maximum of 6 units.

- **BIOL 5440 - Seminar: Microbiology - Immunology**

---

(3)

Advanced study of selected topics in the fields of microbiology and immunology. May be repeated once for a maximum

of 6 units.

- **BIOL 5450 - Seminar: Genetics Evolution**

---

(3)

Advanced study of selected topics in the fields of genetics and evolution. May be repeated once for a maximum of 6 units.

- **BIOL 5460 - Seminar: Cell, Molecular, and Developmental Biology**

---

(3)

Advanced study of selected topics in the fields of cell, molecular, and developmental biology. May be repeated once for a maximum of 6 units.

- **BIOL 5500A - Advanced Studies in Molecular Diagnostics A**

---

(6)

Prerequisites: Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical Genetic Molecular Biologist Scientist Training Program. Theoretical and technical fundamentals of nucleic acid biochemistry, cell biology, human genetics, and molecular biology as they apply to human disease and diagnostics. Genetic differences between normal and disease states.

- **BIOL 5500B - Advanced Studies in Molecular Diagnostics B**

---

(6)

Prerequisites: Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical Genetic Molecular Biologist Scientist Training Program; BIOL 5400A. Genetic differences between normal and disease states, molecular aspects of cancer progression, genetic basis of tissue type, theory and analysis of nucleic acid-based diagnostic and infectious disease tests. Quality assurance.

- **BIOL 5850 - Biotechnology Internship**

---

(1-3)

Prerequisite: Instructor consent and admission to the Certificate Program in Biotechnology. One term of internship in off-campus biotechnology companies as a pathway to biotechnology industry employment. Graded CR/NC.

- **BIOL 5950 - Individual Research in Gene Manipulation**

---

(3)

Prerequisites: BIOL 5170, 5190. Laboratory research project conducted in approved on- or off-campus laboratory. Graded CR/NC.

- **BIOL 5970 - Graduate Research**

---

(1-2)

Prerequisites: BIOL 5200, approval of program committee. Conducting research toward master's degree. Must be repeated until 6 units have been completed, after which no additional units may be taken. Graded CR/NC.

- **BIOL 5980 - Graduate Directed Study**

---

(1 - 3)

Prerequisites: Consent of instructor to act as sponsor and approval of graduate program by department. Directed study of advanced topics in the biological sciences and introduction to laboratory or field research techniques. Assigned readings, conferences, lectures, seminars, and research. Graded CR/NC. May be repeated once for credit. Units may not be used toward a M.S. degree in Biology.

- **BIOL 5990 - Thesis**

---

(1-3)

Prerequisites: BIOL 5200, advancement to candidacy, instructor consent to act as sponsor. Independent research culminating in a written thesis, Seminar presentation, and oral defense must be repeated until 9 units have been completed, after which no additional units may be taken. Graded CR/NC.

- **BIOL 9000 - Graduate Studies**

---

(0)

Prerequisite: BIOL 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Chemistry (Undergraduate)**

With graduate adviser approval, appropriate 4000-level courses in Chemistry may be applied toward requirements for the master's degree.

- **CHEM 1000 - Molecules Matter †**

---

(3)

An Introductory course emphasizing the importance of chemistry to everyday life including the environment, energy, food and materials. Lecture 2 hours, Laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the schedule of classes

**GE B1**

- **CHEM 1010 - Fundamentals of Chemistry**

---

(4)

Prerequisites: Score of 50 or more on (or exemption from) Entry Level Math (ELM) exam or Math 0930 with a minimum of C. Introductory course in fundamental laws and theories of general chemistry with chemistry and biochemistry applications to health sciences. Lecture 3 hours, laboratory 3 hours. No credit toward Chemistry, Engineering or Physics major.

- **CHEM 1020 - Fundamentals of Organic Chemistry**

---

(4)

Prerequisites: CHEM 1010 with a minimum grade of C-. Organic chemistry for nutritional science majors and related fields. Fundamental principles and reactions of organic chemistry with an emphasis on processes related to nutritional science. Lecture 3 hours, laboratory 3 hours. No credit toward Chemistry, Engineering or Physics major.

- CHEM 1040 - General Chemistry for Engineers

---

(4)

Prerequisites: Must be Engineering major and have a score of 50 or more on (or exemption from) ELM or MATH 0930 with a minimum C grade. Fundamental theory and applications of chemical principles. Atomic structure, chemical bonding, chemical reactions, reaction stoichiometry, thermochemistry, equilibrium, electrochemistry, classes and nomenclature of chemical compounds. Lecture 3 hours. Laboratory 3 hours.

- CHEM 1050 - Introductory Chemistry

---

(3)

Prerequisite: CHEM 1050 presents fundamentals of chemistry and quantitative thinking. Topics include the molecular nature of matter, scientific method, measurement, stoichiometry and gas laws. Lecture 2 hours, Activity 2 hours. Graded A,B,C/NC.

- CHEM 1100 - General Chemistry I

---

(5)

Prerequisites: Score of 50 or more on (or exemption from) ELM or MATH 0930 with a minimum C grade. Physical concepts, stoichiometry, structure of atom, periodic table, chemical bonding, structure of molecules, states of matter, acids and bases. Lecture 3 hours, laboratory 6 hours.

**CI-D CHEM 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- CHEM 1110 - General Chemistry II

---

(5)

Prerequisite: CHEM 1100 with a minimum grade of C-. Equilibrium, oxidation-reduction, electrochemistry, thermodynamics, and its applications in chemistry, chemical kinetics, and special topics in general chemistry. Lecture 3 hours, 6 laboratory hours.

**C-ID CHEM 110 and CHEM 120S:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- CHEM 1800 - Selected Topics in Chemistry

---

(1-3)

Topics of current interest as announced in Schedule of Classes. No credit toward Chemistry or Biochemistry major.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- **CHEM 1801 - Selected Topics in Chemistry**

---

(1-3)

Prerequisite: None. Topics of current interest as announced in Schedule of Classes. No credit toward Chemistry or Biochemistry major.

- **CHEM 1810 - Honors Proseminar**

---

(1)

Prerequisite: Acceptance into department honors program. Study of recent developments in chemistry and biochemistry. May be repeated to maximum of 6 units; only 1 unit may apply on major requirements. Graded CR/NC.

- **CHEM 2200 - Organic Chemistry I**

---

(4)

Prerequisite: CHEM 1110 with a minimum grade of C- or 1 year of general chemistry with a minimum grade of C-. The first semester of a yearlong course focusing on properties and reactions of organic compounds, including biomolecules; emphasis on fundamental principles and reaction mechanisms. Lecture 3 hours, Recitation 1 hour.

- **CHEM 2201 - Organic Chemistry Laboratory I †**

---

(1)

Prerequisite: CHEM 1110 with a minimum grade of C-.

Corequisite: CHEM 2200. Fundamentals of organic laboratory analysis, with emphasis on spectroscopic methods. Laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- **CHEM 2211 - Organic Chemistry Laboratory II †**

---

(1)

Prerequisites: CHEM 2201 and CHEM 2200, each with a minimum grade of C-.

Corequisite: CHEM 3200. Fundamental laboratory techniques of organic chemistry and organic synthesis. Laboratory 3 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- **CHEM 2300 - Introduction to Biomolecules**

---

(2)

Prerequisites: BIOL 1100, CHEM 1110 or CHEM 1020 or equivalent. Introduction to the chemistry of biological

molecules; building blocks to macromolecules and supramolecular structures; protein function in metabolism, membrane transport, cell structure; nucleic acid structure and function; strategies of metabolism. Lecture 3 hours.

- CHEM 2800 - Special Topics in Chemistry

---

(1-3)

Prerequisites: As needed for specific topic. Current topics of interest in chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- CHEM 2801 - Special Topics in Chemistry

---

(1)

Prerequisites: As needed for specific topic. Current topics of interest in chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- CHEM 3000 - Nutritional Aspects of Biochemistry

---

(4)

Prerequisite: CHEM 1020. Introduction to biochemistry with particular emphasis on nutrition and its effects on metabolism and genomes. Lecture 3 hours, laboratory 3 hours.

- CHEM 3100 - Writing for Chemists

---

(3)

Prerequisite: CHEM 2200 with a minimum grade of C- or consent of instructor. Extensive practice in writing abstracts, summaries, reports, resumes, and reviews; presentation of oral reports and posters; literature searching; and ethics in scientific research. Lecture 2 hours, laboratory 3 hours.

- CHEM 3200 - Organic Chemistry II

---

(4)

Prerequisite: CHEM 2200 with a minimum grade of C-. The second semester of a yearlong course focusing on properties and reactions of organic compounds, including biomolecules; emphasis on fundamental principles and reaction mechanisms. Lecture 3 hours, Recitation 1 hour.

- CHEM 3500 - Quantitative Analysis †

---

(4)

Prerequisite: CHEM 1110 with a minimum grade of C-. Principles and techniques of analytical chemistry, including stoichiometry, equilibrium (pH and redox), electrochemistry, spectroscopy, and separations. Lecture 2 hours, laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.



- **CHEM 3600 - Inorganic Chemistry**

---

(4)

Prerequisites: CHEM 1110 and MATH 2120. Selected topics in inorganic chemistry, including the elements, atomic structure, bonding, ionic solids, solutions, nonmetals, physical inorganic chemistry, coordination chemistry, and inorganic polymers.

- **CHEM 3800 - Ancient and Modern Science**

---

**(also listed as PHIL 3800 and HIST 3800)**

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A systematic analysis of ancient scientific thought and its relationship to modern science.

**UD GE B**

- **CHEM 3810 - Honors Studies in Chemistry**

---

(1-3)

Prerequisites: Participation in Chemistry Honors Program, CHEM 301ABC, consent of an instructor to serve as research adviser, and approval of department honors adviser. Independent research in chemistry and biochemistry. Regular consultation with research adviser; written thesis required. Students must enroll for total of 5 units before submitting thesis and receiving grade.

- **CHEM 3820 - Special Topics in Chemistry**

---

(1-3)

Prerequisites: As needed for specific topic. Current topics of special interest in chemistry and related disciplines as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **CHEM 3821 - Special Topics in Chemistry Laboratory**

---

(1)

Prerequisites: As needed for specific topic. Current topics of special interest in chemistry and related disciplines as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

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|--|--|---|--|--|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and<br>Scholarships | Center for Effective<br>Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business<br>Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center |



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## Course Descriptions

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### Course Filter

Filter this list of courses using course prefix, course code, keywords or any combination.

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### Chemistry (Undergraduate)

With graduate adviser approval, appropriate 4000-level courses in Chemistry may be applied toward requirements for the master's degree.

- CHEM 4200 - Advanced Organic Chemistry I

(3)

Prerequisite: CHEM 3200 Theoretical aspects of organic chemistry emphasizing reaction mechanisms.

- CHEM 4210 - Polymer Chemistry

(3)

Prerequisites: CHEM 3200; MATH 2130; suggested co-requisite CHEM 4410 Preparation, mechanisms, and properties of synthetic macromolecules; step and chain polymerization, copolymerization, kinetics, morphology and physical characterization of polymers.

- CHEM 4300 - Introduction to Biochemistry

(3)

Prerequisite: CHEM 3200 or one year of organic chemistry. No credit if taken after CHEM 431A. Introduction to principles of biochemistry.

- CHEM 4310 - Biochemistry I

(3)

Prerequisites: CHEM 3200 or one year of organic chemistry lecture; and CHEM 2300 or BIOL 3400, each with a minimum grade of C-. Enzyme kinetics and mechanisms of enzyme action; structure, function, and chemistry of carbohydrates, proteins, lipids and nucleic acids in animals, plants and microorganisms; the metabolism of carbohydrates.

- CHEM 4311 - Biochemistry Laboratory I †

---

(2)

Prerequisites: CHEM 2211, CHEM 3100, each with a minimum grade of C-; corequisite: CHEM 4310. Laboratory experiments designed to illustrate chemical behavior of substances of biochemical importance. Laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- CHEM 4320 - Biochemistry II

---

(3)

Prerequisites: CHEM 4310. Metabolism of lipids and proteins; photosynthetic metabolism and assimilation of inorganic nutrients; enzymology and mechanism of DNA replication and repair; transcriptional machinery; RNA processing; protein synthesis and processing.

- CHEM 4321 - Biochemistry Laboratory II †

---

(2)

Prerequisites: CHEM 4311, corequisites: CHEM 4320. Laboratory experiments designed to illustrate chemical behavior of substances of biochemical importance. Laboratory 6 hours.

† There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- CHEM 4400 - Fundamentals of Physical Chemistry

---

(3)

Prerequisites: CHEM 3500; MATH 2120; PHYS 1200 or 2200. Survey of physical chemistry including thermodynamics, kinetics, quantum chemistry, and spectroscopy. No credit toward B.S. degree in Chemistry or Biochemistry; no credit if taken after successful completion of CHEM 4420.

- CHEM 4410 - Physical Chemistry: Quantum Mechanics and Kinetics

---

(4)

Prerequisites: MATH 2150; CHEM 1110 or one year of General Chemistry; PHYS 2200. Fundamentals of quantum chemistry; applications to chemical bonding, spectroscopy, and the solid state; molecular transport phenomena; chemical kinetics; reaction dynamic theories.

- CHEM 4420 - Physical Chemistry: Thermodynamics

---

(3)

Prerequisites: CHEM 1110 or one year of General Chemistry; MATH 2120; PHYS 2200. Thermodynamics of chemical

systems including the 1st, 2nd, and 3rd Laws; multi-components systems; chemical equilibrium; real ionic solutions; electrochemistry.

- CHEM 4430 - Physical Chemistry: Quantum Chemical Methods

---

(1)

Prerequisites: CHEM 4410. Theory and application of quantum chemical computational methods for determination of properties of chemical systems.

- CHEM 4431 - Physical Chemistry Laboratory

---

(2)

Prerequisites: CHEM 3100; CHEM 4410. Corequisite: CHEM 4420. Experimental measurements, data analysis, and calculations of the quantum mechanical, spectroscopic, kinetic, and thermodynamic properties of chemical systems. Laboratory 6 hours.

- CHEM 4450 - Introduction to Atmospheric Chemistry

---

(3)

Prerequisites: CHEM 3500; MATH 2110; PHYS 1200 or PHYS 2100 Investigation of current topics in atmospheric chemistry using the fundamental principles of physical and analytical chemistry.

- CHEM 4460 - Drug Delivery

---

(3)

Prerequisite: CHEM 4410 or CHEM 4420 or other courses equivalent to CHEM 4410 or CHEM 4420. This course provides a physicochemical foundation to understand how drug distributions and effectiveness in the body can be influenced by the way the agent is modified and delivered.

- CHEM 4510 - Advanced Analytical Chemistry: Optical Spectroscopy

---

(1,1)

Prerequisites: CHEM 3500, CHEM 4410. Ultraviolet, visible, and infrared spectroscopies applied to analytical determinations. Includes theory, instrumentation, and application for UV/vis absorption and emission spectroscopy, FTIR spectroscopy, and atomic absorption and flame emission spectroscopies. Lecture 1 hour. Laboratory 3 hours.

- CHEM 4520 - Advanced Analytical Chemistry: Analytical Separations and Mass Spectrometry

---

(1,1)

Prerequisites: CHEM 3500. Theory, instrumentation, and applications of mass spectrometric detection techniques and separation analysis including gas chromatography, liquid chromatography, and electrophoresis. Lecture 1 hour. Laboratory 3 hours.

- CHEM 4530 - Advanced Analytical Chemistry: Electrochemistry and Surface Techniques

---

(1,1)

Prerequisites: CHEM 3500. Theory, instrumentation, and applications of electrochemistry including potentiometry, voltammetry, and coulometry. Introduction to surface characterization using spectroscopy and scanning microscopy techniques. Lecture 1 hour. Laboratory 3 hours.

- CHEM 4800 - Special Topics in Advanced Chemistry Lecture

---

(1-3)

Prerequisites: As needed for specific topic. Current topics of special interest in advanced chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- CHEM 4801 - Special Topics in Advanced Chemistry Laboratory

---

(1)

Prerequisites: As needed for specific topic. Current topics of special interest in advanced chemistry and related disciplines, as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- CHEM 4810 - Advanced Synthetic Methods

---

(2)

Prerequisites: CHEM 3200, 2211, 3600. Application of advanced synthetic methods to the synthesis of selected organic, organometallic, and inorganic molecules. Laboratory 6 hours. There is a special fee associated with registering for laboratory classes that carry this designation. Details appear in the Schedule of Classes.

- CHEM 4820 - Biomedical Seminars and Presentations

---

(1)

Development of skills as critical listeners and presenters of biomedical science seminars and poster presentations. Graded CR/NC.

- CHEM 4830 - History of Chemistry

---

(3)

Prerequisites: CHEM 1110; CHEM 3200 Development of chemical knowledge from chemical arts of antiquity through alchemy to twentieth century, emphasizing contributions to fundamental theory by Lavoisier, Dalton, Kekule, Van't Hoff, and Rutherford.

- CHEM 4840 - Drug Discovery and Development

---

**(also listed as BIOL 4440)**

(4)

Prerequisite: CHEM 3200 and either BIOL 3400 or CHEM 4300 or CHEM 4310. An overview of the process of drug discovery and development, with an emphasis on academic and industrial research methodology. Lecture 2 hours, Laboratory 3 hours.

- CHEM 4850 - Bioinorganic and Bioorganic Chemistry

---

(3)

Prerequisite: CHEM 4300 or CHEM 4310 Chemical approaches to the study of biological processes with an emphasis on the tools and methods of inorganic and organic chemistry.

- CHEM 4860 - Bioinformatics and Computational Biology

(also listed as BINF 4000)

---

(3)

Prerequisites: BIOL 1100 and CS 2011 (or CIS 2830); upper division or graduate level standing. Theory and application of software programs that analyze genes and proteins; creation of programs designed to search databases and align sequences. Lecture 2 hours, laboratory 3 hours

- CHEM 4890 - Molecular Science Capstone

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from blocks C and D, and CHEM 3100. Students will integrate and critically reflect upon concepts and approaches from two or more disciplines within chemistry used to address a societal concern in a culminating research paper. Satisfies GE UD B for Chemistry and Biochemistry majors.

- CHEM 4980 - Cooperative Education

(See UNIV 4980)

---

(1)

see UNIV 4980 Cooperative Education

- CHEM 4990 - Undergraduate Directed Study

---

(1-3)

Prerequisites: 2.5 grade point average in chemistry courses or one advanced laboratory course, consent of an instructor to act as sponsor, ability to assume responsibility for independent work and to prepare written and oral reports. Independent research project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 9 units.

### Chemistry (Graduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- CHEM 5100 - Introduction to Research

---

(3)

An introduction to graduate research, including chemical literature, research ethics, and career paths. Students will develop their master's research prospectus report and presentation.

- CHEM 5110 - Graduate Seminar: Chemistry I

---

(1)

Prerequisite: CHEM 5100. Identification and presentation of an emerging topic in the molecular sciences. Oral communication, peer-review, and techniques for conducting critical reviews of the molecular science literature will be discussed.

- CHEM 5120 - Graduate Seminar: Chemistry II

---

(1)

Prerequisite: CHEM 5110. Attendance at regular departmental seminar program; participation in seminar training program with course instructor, presentation of a satisfactory departmental seminar.

- CHEM 5200 - Synthetic Organic Chemistry: Analysis, Design, and Methodology

---

(4)

Prerequisite: CHEM 3200. Analysis of target molecules, rational design of strategies, and methodologies for the preparation of organic molecules. Emphasis on analysis of target molecules from the recent organic chemistry literature.

- CHEM 5210 - Organic Structure determination

---

(3)

This course covers modern and advanced methods of elucidation of the structures of organic molecules, including NMR, MS, IR, and UV.

- CHEM 5300 - Advanced Biochemistry

---

(3)

Prerequisites: CHEM 4320; CHEM 4321 Recent concepts of enzyme systems, biological oxidation, intermediate metabolism, biosynthesis of macromolecules, biochemical genetics, metabolic regulation, and related phenomena. May be repeated as subject matter changes to maximum of 12 units.

- CHEM 5310 - Biochemistry of Plasma Lipoproteins and Atherosclerosis

---

(3)

Prerequisites: CHEM 4320 and CHEM 4321 or equivalent, Graduate student standing. Review of scientific literature on plasma lipoprotein metabolism and development of atherosclerosis. Detailed analysis of dietary, genetic, and hormonal factors that regulate atherogenic and antiatherogenic lipoprotein concentrations in blood.

- CHEM 5320 - Protein Structure

---

(3)

Prerequisites: CHEM 4320 and CHEM 4321 or equivalent, Graduate student standing. Analysis of structural classes of proteins and factors that determine native structure, stability and biological function. Tools for analysis, comparison and prediction of protein structure. Recent advances in research literature.

- CHEM 5330 - Transcriptional Control of Gene Expression

---

(3)

Prerequisites: CHEM 4320 and CHEM 4321 or equivalent, Graduate student standing. Mechanisms of gene expression control at the transcriptional level using the original research literature. Modern molecular techniques demonstrating the activation and repression of eukaryotic genes via protein-DNA and other interactions.

- CHEM 5340 - Signal Transduction

---

(3)

Prerequisites: CHEM 4320 and CHEM 4321 or equivalent, Graduate student standing. Review of molecular signal transduction and the importance of post-translational modifications as a mechanism to transmit information to the cell.

- CHEM 5400 - Quantum Chemistry

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(3)

Prerequisites: CHEM 4410; CHEM 4420 Quantum chemistry, including discussion of molecular orbital and valence bond theories and their applications to chemistry.

- CHEM 5410 - Nuclear Magnetic Resonance Spectroscopy

---

(3)

Prerequisite: CHEM 4410 or the equivalent. This course introduces advanced NMR (Nuclear Magnetic Resonance) principles and experimental techniques to graduate students in the fields of chemistry and biochemistry.

- CHEM 5510 - Thermodynamics and Kinetics of Materials

---

3

Prerequisites: MATH 2150; PHYS 2200; CHEM 4420. The first component, thermodynamics, includes laws of thermodynamics, solution theory and equilibrium diagrams. The second component, kinetics, includes diffusion, phase transformations, and the development of microstructure.

- CHEM 5600 - Advanced Inorganic Chemistry

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(3)

Prerequisite: CHEM 3600 Selected topics on structure and mechanism in inorganic chemistry; discussion of modern theories applied to inorganic chemistry.

- CHEM 5800 - Special Topics in Graduate Chemistry

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(3)

Prerequisite: Instructor consent. Specialized topics in chemistry given at an advanced level. May be repeated once for credit.

- CHEM 5910 - Advanced Laboratory

---

(1)



Prerequisites: CHEM 2211; CHEM 4431 or CHEM 4521. Introduction to advanced laboratory techniques involving individual student projects. May be repeated two times to maximum of 2 units; maximum of 24 units may be applied to M.S. degree. Combined units of CHEM 5910, 5970 and 5990 may not exceed 10.

- CHEM 5960 - Comprehensive Examination

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(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- CHEM 5970 - Graduate Research

---

(1-3)

Prerequisite: Approval of departmental adviser. Research leading toward M.S. degree. Graduate students must earn a minimum of 5 and a maximum of 8 units. Combined units of CHEM 5910, 5970, and 5990 may not exceed 10. Graded CR/NC.

- CHEM 5980 - Graduate Directed Study

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field, regular conferences with sponsor. Student's progress determined by oral and/or written reports. May be repeated for credit; combined units of 597 and 598 may not exceed 13. Combined units of CHEM 590, 597, 598, and 599 may not exceed 15.

- CHEM 5990 - Thesis

---

(1-3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in thesis and oral defense thereof. May be repeated to maximum of 3 units. Combined units of CHEM 5910, 5970, and 5990 may not exceed 10. Graded CR/NC.

- CHEM 9000 - Graduate Studies

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(0)

Prerequisite: CHEM 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Chicana(o) and Latina(o) Studies (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- CLS 1200 - Chicanas/os Latinas/os, Gender, and Class in the US Experience

---

(3)

This course is designed to address the intersectionality of gender, race, sexuality, ability, and class in the US historical experience with special attention to the Chicana/o Latina/o populace.

**GE AM Block C (re)**

- **CLS 1300 - The Constitution, Equity and Chicanas/os and Latinas/os**

---

(3)

The course addresses the intersection of Chicanas/Latinos with the US and California Constitutions, incorporating fundamental Supreme Court and Ninth Circuit Court of Appeals decisions with their impact on US society.

GE D AM (re)

- **CLS 1500 - Cultural Diversity, Chicanas/os, and Latinas/os**

---

(3)

Examines cultural diversity in U.S. society from Chicana/o and Latina/o Studies perspectives. Explores historical and contemporary relationships, conflict, and reconciliation among major cultural groups.

**GE D (re)**

- **CLS 1600 - Cultural Expressions in the Americas**

---

(3)

Explores pre-Columbian artistic representations and aesthetic principles that constitute a cultural legacy—expressed in modern literature, murals, and cinema—of present-day Chicanos/as and Latinos/as in the United States.

**GE C1 (re)**

- **CLS 2010 - Modern Mexican Literature in Translation**

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(3)

Selected major works of modern Mexican literature in translation.

**GE C2; (re)**

- **CLS 2040 - Diverse Latin American Populations in Southern California**

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(3)

The formation of and differences among the varied Latin American people in the Southern California region and their participation in contemporary society.

- **CLS 2050 - Chicanas/os and Latinas/os in Film and Popular Culture**

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(3)

This class is designed to address the substantial contribution to film and popular culture by Chicanas/os and Latinas/os, and the changing nature of popular culture in US society.

**GE C1 (re)**

- **CLS 2060 - Latina/o Images in Media, Social Media, and Digital Communication Systems**

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(3)

This course addresses the historical and current depiction of Latinas/os in the media. Digital communication and the internet has transformed how culture is transmitted on multi-layered platforms of media technologies.

**GE Block C1 (re)**

- **CLS 2100 - Chicana/o and Latino/a Political and Social Movements**

---

(3)

The course will address the Chicana/o and Latino/a political experience in U.S. society, including an analysis of the historical assessment of how social movements influenced public policy.

**GE D (re)**

- **CLS 2200 - Chicanas and Latinas in Contemporary U.S. Society**

**Also listed as WGSS 2200**

---

(3)

Surveys the history of Chicanas and Latinas in the U.S. with an emphasis on how gender, sexuality, race, class, and migration intersect to shape experiences.

**GE D (d)**

- **CLS 2300 - Family Structure in the Americas**

---

(3)

This course addresses how Latinos/as, in particular Centro Americanos and Mexicanos, create transnational family structures that are often fractured by economic, political, documented status, class, gender and/or cultural realities.

**GE D (re)**

- **CLS 3009 - Mexico City in Contemporary Mexican Cinema**

**ML 3009**

---

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This class analyzes how Mexican filmmakers have used Mexico City as a vehicle for exploring such issues as gender roles, social imaginaries, political and police corruption, and ethnic and social identities.

**GE C1 Diversity Requirement**

- **CLS 3100 - Introduction To Critical Education: Theory And Practice**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines educational theories in Critical Race Women/LGBTQIA and Ability Studies with emphasis on the traditional and emerging analytical frameworks in theory and practice.

**GE UD D (d), (cI)**

- **CLS 3120 - Chicana/o and Latina/o Parent, Community and School Partnerships**

---

(3)

Prerequisite: Completion of Blocks A and B4, and an additional course from Block B and at least one course each from Blocks C and D. Examination of social, political, educational and cultural issues effecting parent/school relationships. Analysis of neighborhood resources, school climate and parent perspectives provide a critical understanding of ways teachers can be mediators/advocates.

**GE UD D; (re); (cl)**

- **CLS 3130 - Diversity, Intersectionality, Major Racial/Ethnic Groups in U.S. Schooling, and Equality of Educational Opportunity and Social Justice**

**(also listed as EDFN 3130)**

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(3)

Prerequisite: Completion of Blocks A and B4, and additional course from Block B, and at least one course each from Blocks C and D. An examination of diversity, the intersectionality of race, ethnicity, class, gender, and sexuality, with a focus on experiences of major racial/ethnic groups in relation to U.S. schools and educational equality.

**GE UD D (re)**

- **CLS 3200 - Mediterranean and Pre-Columbian Myths in Latin American Literature**

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critical readings of modern Latin American narrative fiction, poetry and drama, with interpretive emphasis on their allusions to Greco-Roman and Pre-Columbian myths.

**GE UD C**

- **CLS 3220 - Race, Gender, and Hybridity in the Americas**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course explores the construction of race, gender, and hybridity in the Americas using numerous humanities approaches.

**GE UD C (re)**

- **CLS 3300 - Class, Race, and Gender**

(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block D. Examination of social class, sex/gender, and race as bases of inequality and the processes by which inequalities are maintained or reproduced in the US. Some course sections may require service-learning.

**UD GE D (d)**

- **CLS 3320 - Remittances, the Immigrant Economy, and Globalization**

---

(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course addresses a range of important Latina/o household economic, labor market, consumer, banking, and migration issues related to the powerful influences of remittances in this society.

**GE UD D**

- **CLS 3400 - Latinas/os and Social Justice: Contemporary Issues**

---

(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of the struggle for Latina/o social justice remains an essential component of US society. Significant political, economic, cultural and social transformations have been initiated by these movements are investigated.

**GE UD D (re)**

- **CLS 3500 - Introduction to Principles of Research in Chicano Studies**

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(3)

Introduction to the logic and principles of social inquiry to enable students to make knowledgeable decisions in designing, conducting, and interpreting empirical research. Draws on empirical scholarship in Chicano Studies.

- **CLS 3720 - American Indian Families**

**(also listed as CHDV 3720)**

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(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines historical, social, political and cultural contexts influencing development of American Indian and Alaska Native children, families and communities, the role of the cultural inheritance material in managing psychosocial stress and in strengthening communities.

**GE UD D (re) (cl)**

- **CLS 3750 - Health Disparities in Urban Communities**

**(also listed as CHDV 3750 and PH 3750)**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Health disparities affecting children and families in urban communities characterized by multiple diversity factors are explored. The intersectionality of factors and processes for promoting health equity and wellness are examined.

**UD GE D; (d)**

- **CLS 3770 - Environmental Justice**

**(also listed as PH 3770)**

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(3)

Prerequisites: Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Use of epidemiology in environmental health. Morbidity and mortality in communities of color and lower economic status due to disproportionate distribution of environmental contaminants. Some sections of this course may be offered online.

**GE UD B; (cl)**

- **CLS 3950 - Community Service in Chicano Studies**

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(3)

Prerequisites: Six units of approved CLS courses; approval by departmental faculty adviser in consultation with EPIC director; acceptance by community agency. Participation in work of community agency or activity utilizing professional and/or vocational skills in service to community. Graded CR/NC. Credit toward B.A. degree limited to 6 units.

- **CLS 4000 - Mesoamerican Civilizations**

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(3)

Mesoamerican Civilization uses a multiplicity of fields (like archaeology, art, cultural studies, history, and literature) to explore Pre- and Post-Conquest native cultures in Mexico and Central America.

- **CLS 4010 - Chicana/o Latina/o Culture and Media**

---

(3)

This course addresses a range of historical representations, themes, stereotypes and acculturation of Chicana/Latino culture in the media. New generations of racial/ethnic media professionals are influencing the transformation of media. Some sections of this course may be offered online.

- **CLS 4020 - Chicana and Chicano Literature**

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(3)

Prerequisite: CLS 1500. This course reviews selected Chicano and Chicana literary works. It includes a writing assignment that integrates previous studies in the CHS major in a culminating, interdisciplinary project.

**(wi)**

- **CLS 4030 - Chicanas/os Latinas/os and La Cultura of Public Spaces**

---

(3)

The course addresses public art, music, dance, music, underground hip hop, performance art, urban graffiti, and other forms of creative expression which have fundamentally reshaped the social fabric of cities. Some sections of this course may be offered online.

- **CLS 4080 - The Central American Experience in the US**

**(Also listed as LAS 4080)**

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(3)

Aspects of the Central American experience in the U.S. with emphasis on the transnational connections between the countries of origin and the communities of residence in the U. S.

- **CLS 4100 - Latina/o Communities in U.S. Society**

---

(3)

The Chicano/a experience studied from the comparative perspective of other Latin Americans in the U.S.: Cubans, Puerto Ricans, Central and South Americans.

- **CLS 4110 - Chicanas/os, Latinas/os and Immigration Policy**

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(3)

This class addresses immigration and migration and their impact on the US since the Mexican American War. Essential components of this nation's history and political culture will be examined.

- **CLS 4170 - Critical Analysis of Inequality and Educational Policy**

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(3)

Investigation of the relationship between marginalized groups and education policy. Analysis of past and recent education policy and related court cases impact on marginalized students at all education levels. Some sections of this course may be offered online.

- **CLS 4180 - Public Health Issues in Latina/o Communities**

---

(3)

The course assesses issues confronting Latinas/os including health disparities, access to quality health care, preventive health care, gender, community clinics, and the future of health care for Latino communities. Some sections of this course may be offered online.

- **CLS 4200 - History of the Chicano People in California**

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(3)

History of the Chicano People in California since the Paleo- Indian past to the post-industrial present. Examined from a national as well as a global context.

- **CLS 4240 - Exploring Afro-Latino/a Identities**

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(3)

This course emphasizes Afro-Latino(a) identities bringing together two groups that are often perceived as mutually exclusive categories within racial/ethnic thinking.

- **CLS 4250 - Chicanas & Latinas: Social Movements in the Americas**

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(3)

This course examines the role of Chicanas and Latinas in power and public policy in the Americas.

- **CLS 4255 - Latinas/os and Social Justice Movements**

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(3)

The course can address a wide variety of social justice movements in the Chicana/o and Latina/o communities: environmental justice, gentrification, housing, immigration, gender discrimination, racial profiling, educational reform, Latina/o LGBT/LGBTQIA communities, sustainable environmentalism, minorities in academia, and political reform. Some sections of this course may be offered online.

- **CLS 4260 - The Chicano Movement**

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**(also listed as HIST 4600)**

(3)

Prerequisite: Upper-division standing. Examines the Chicano Movement of the 1960s and 1970s from an interdisciplinary perspective. Topics include: grassroots, student, and youth activism; antiwar movement; La Raza Unida Party; Chicana feminism, and the Chicano cultural renaissance.

- **CLS 4270 - Modern Mexico and the Chicano People**

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**(also listed as HIST 4670)**

(3)

History of modern Mexico and its impact upon the Chicano people from separation from Mexico in 1848 to the present.

- **CLS 4280 - Migration, Identity, and Religion**

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**(also listed as LAS 4280 and RELS 4280)**

(3)

Examines the role of Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

- **CLS 4290 - Chicana Feminisms: History, Theory, Praxis**

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**Also listed as WGSS 4290**

(3)

Chicana feminist thought, history, and activism, 1960s to present and Chicana/Latina feminist thought in the US and in a global context.

- **CLS 4300 - Research on Chicana/o Community Problems**

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(3)

Prerequisites: CHS 1110, ENGL 1020\*. Satisfactory completion of WPE, and senior standing. Emphasizes special issues of Mexican/Latino communities. This course requires service learning. \*Students subject to earlier catalogs satisfy this prerequisite with ENGL 1010 or 1900.

- **CLS 4320 - Chicana/o and Latina/o and War on Drugs**

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(3)



Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critically study American “War on Drugs” policies and their impact on Chicana(o) and Latina(o) communities specifically, and Communities of Color generally. Examines institutionalization of ideologies and social-cultural constructions. Course requires service-learning. This course may be taught as a hybrid course (50% online and 50% face-to-face).

**(wi)**

- **CLS 4660 - Colonial Mexico**

**(Also listed as HIST 4660)**

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(3)

Social, political, economic, and cultural history of Mexico from the early 16th century through Independence.

- **CLS 4665 - Modern Mexico**

**Also listed as HIST 4665**

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(3)

Social, political, economic, and cultural history of Mexico from Independence to the recent past.

- **CLS 4670 - Modern Mexico and the Chicano People**

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(3)

Prerequisite: Recommended: CLS/HIST 4660. History of modern Mexico and its impact upon the Chicano people from separation from Mexico in 1848 to the present.

- **CLS 4900 - Special Studies**

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(3)

Prerequisites: Upper division or graduate standing, permission of instructor. Intensive study of selected areas in Chicano Studies. May be repeated to maximum of 6 units.

- **CLS 4990 - Undergraduate Directed Study**

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(3)

Prerequisites: Six units in CLS; 2.75 grade point average, upper division or graduate standing; full-time faculty member to serve as sponsor; recommendation of department chairperson. Project selected in conference with sponsor, progress meetings held regularly, and final report submitted. May be repeated to maximum of 6 units.

- **CLS 5050 - Interdisciplinary Seminar in Chicana/o and Latina/o Studies**

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(3)

Prerequisite: CHS 4030. Literary genres within Chicano literature in relation to the cultural and social context of Chicanos.

All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

Classified graduate standing is required for admission to all 5000 level courses.

- **CLS 5010 - Chicana/o Studies and Contemporary Theory**

(3)

Development of critical social and cultural theories with emphasis on the production of knowledge about Chicana/o/Latina/o communities.



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|--|--|--|--|--|---|
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# University Catalog

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Courses  S

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| <input type="text" value="All prefixes..."/> | <input type="text" value="All types..."/> | <input type="text" value=""/> | <input type="text" value=""/> |

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### Chicana(o) and Latina(o) Studies (Graduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000 level courses.*

- **CLS 5030 - Seminar: Research Methods in Chicano Studies**

(3)

Analysis of research methods with emphasis on behavioral theory and methodologies applied to special fields of culture, including history, psychology, politics, education, economics, language; current social issues in Chicano/a Latino/a communities.

- **CLS 5100 - Higher Education Teaching Seminar: The Educational Pipeline**

(3)

Prerequisite: graduate standing. Interdisciplinary investigation and discussion of teaching and learning with emphasis on Chicana(o) and Latina(o) students and teaching methods. Examines research and pedagogy in higher education, emphasizing creation of lesson plans, conducting lectures.

- **CLS 5960 - Comprehensive Examination**

(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **CLS 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC

- **CLS 5980 - Graduate Directed Study**

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(3)

Prerequisite: Consent of faculty sponsor, approved study prior to registration. Directed reading and critical analysis of advanced topics in Chicano Studies. Regular conference with sponsor. May be repeated for credit to maximum of 6 units.

- **CLS 5990 - Thesis**

---

(3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. An oral examination about the thesis is required. Must be repeated to total of 6 units. Graded CR/NC.

- **CLS 9000 - Graduate Studies**

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(0)

Prerequisite: CLS 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis units (5990), but will use University facilities or consult with faculty.

### **Child Development (Undergraduate)**

*With graduate adviser approval, appropriate 4000-level courses in Child Development-related disciplines may be applied toward requirements for the master's degree.*

- **CHDV 1200 - Intimate Relationships in Our Diverse Society**

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**(also listed as SOC 1200)**

(3)

Develop personal awareness, knowledge and skills in communication, conflict management and interaction principles among intimate partners/friends/family. Examine intersectional dimensions of gender, LGBT, class, and race/ethnicity within relationships and social ecology. Some sections may be offered in online or hybrid format.

#### **C-ID SOCI 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE E; (d)**

- CHDV 1400 - Development Across the Lifespan (Conception to Adolescence)

---

(3)

Study of the whole child from conception to adolescence in a dynamic set of diverse contexts; examination of the interaction among biological, social/cultural, and psychological domains from a developmental perspective. Some sections may use technologically mediated instruction.

**C-ID CDEV 1000:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE D**

- CHDV 1410 - Development Across the Lifespan (Adulthood and Aging)

---

(3)

Study of adult development from emerging adulthood through the end of life in dynamic and diverse contexts; examination of interaction among biological, social/cultural, and psychological domains from a developmental perspective. Some sections may be offered as online or hybrid courses.

**GE D**

- CHDV 2000 - Techniques for the Study of Children

---

(3)

Prerequisite: Completion of CHDV 1400 with a grade of C or better or by consent of the instructor. Examination of the methods used to study children, with an emphasis on the use of observational techniques and ethical issues in early childhood settings. Observation required weekly.

**C-ID ECE 200:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- CHDV 2100 - Infant Development

---

(3)

Prerequisite: CHDV 2000 with grade of C or better. Normative physical, social, emotional, and cognitive development from conception to 2 ½ years of age. Implications of infant/toddler child care services will be discussed. Lecture 2 hours, activity 2 hours

- CHDV 2200 - The Young Child

---

(3)

Prerequisite: Completion of CHDV 2100 with a grade of C or better, or by consent of the instructor.

Theoretical and empirical bases for understanding children from 2 1/2 to 5 years. Two-hour lecture, and participation

with children in a supervised setting for 2 hours weekly.

**C-ID ECE 210:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CHDV 2250 - Ethnic Identity and Awareness in Children and Families**

---

(3)

Examines historical, socio-political, and cultural factors of major U.S. immigrant groups. Emphasis placed on family interactions, childrearing, communication, religion, health care, developmental risk and disability, and attitudes towards intervention.

**GE D; (d)**

- **CHDV 2300 - Program Design in Early Childhood**

---

(3)

Prerequisites: Completion of CHDV 2100 with a grade of C or better or consent of instructor. Introduction to the historical and theoretical background, characteristics, and connection between philosophy and application of various early childhood program models and approaches.

- **CHDV 2310 - Administration of Preschool and Day Care Programs**

---

(3)

Prerequisites: CHDV 2200 with grade of C or better or permission of instructor. Organization and management of finances, staff, equipment, physical space, and programs. Fulfills partial requirements for the site supervisor child development permit for administrators of early childhood programs. Lecture 2 hours, activity 2 hours.

- **CHDV 2500 - Child, Family, and Community**

---

(3)

Pre-requisites: Completion of CHDV 1400 with a grade of C or better, or by consent of the instructor. Examination of the impacts of environmental settings, significant relationships, and societal issues on the development of children.

**C-ID CDEV 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CHDV 3210 - Urban Families and Resilience**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Block C and D. Examining the role of diversity in dynamic interactions between culturally diverse families and other institutions in urban environments. Processes of resolving tensions between urban demands and family resilience.

**UD GE D; (d); (cl)**

- **CHDV 3400 - Middle Childhood and Adolescence**

---

(3)

Prerequisites: CHDV 2000 with a grade of C or better or consent of the instructor. Theoretical and empirical bases for understanding children from 6 to 18 years. Some sections (identified in the class schedule) are service learning and require that time be spent each week in a community agency. Some sections may be offered in online or hybrid format.

- **CHDV 3420 - Development of Sexuality across the Lifespan**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Developmental understanding of human sexuality across the lifespan, examining social, cognitive, emotional, and physical dimensions of sexuality. Emphasizes multiple external influences and diversity in the concept of sexuality.

**GE UD D; (d)**

- **CHDV 3430 - Child and Adolescent Cognition**

---

(3)

Prerequisite: Completion of CHDV 2200 with a grade of C or better, or consent of instructor. Cognitive changes from birth to adolescence. Survey of major theories and research on cognitive development. (e.g. perception, memory, language, conceptual organization, logical reasoning, problem solving, and social cognition). Some sections may be offered in online or hybrid format.

- **CHDV 3440 - Family Resource and Case Management**

---

(3)

Values and processes associated with management of family resources, the influence of life events on family resources, and methods for assisting families in accessing needed resources.

- **CHDV 3470 - Culture and Wellness across the Lifespan**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The intersections of culture, health and wellness across the lifespan are examined. The multiple contexts and cultural factors influencing definitions of health and healing are explored. Culturally informed strategies for promoting wellness are investigated.

**GE UD D; (d)**

- **CHDV 3480 - Fatherhood and the Child Development Cycle**

---

(3)

Prerequisite: Completion of CHDV 2000 with a grade of C or better. Examines historical, social, political, and cultural

roles of fathers in child development across contemporary family structures, key theories of parent-child development, parenting, father involvement, and current social policies and programs.

- **CHDV 3500 - Social and Emotional Development**

---

(3)

Prerequisites: CHDV 1400 with a grade of C or better; and satisfactory completion of Block A2, A3. Study of social and emotional development from birth through adolescence; the self; emotion regulation and expression; peer, parent-child, sibling, early romantic relationships; interpersonal skills; moral development; risk and resilience.

**(wi)**

- **CHDV 3720 - American Indian Families**

---

**(also listed as CHS 3720)**

(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines historical, social, political and cultural contexts influencing development of American Indian and Alaska Native children, families and communities, the role of the cultural inheritance material in managing psychosocial stress and in strengthening communities.

**GE UD D (re) (cl)**

- **CHDV 3730 - Asian Americans, Families, and Community**

---

**(also listed as AAAS 3730)**

(3)

Pre-requisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. An overview of Asian and Asian American individual development in the context of family and community.

**GE UD D (re) (cl)**

- **CHDV 3750 - Health Disparities in Urban Communities**

---

**(also listed as CHS 3750 and PH 3750)**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Health disparities affecting children and families in urban communities characterized by multiple diversity factors are explored. The intersectionality of factors and processes for promoting health equity and wellness are examined.

**GE UD D; (d)**

- **CHDV 4120 - Issues in Child Abuse, Interpersonal Violence**

---

(3)

Overview of the legal, policy, health, social, psychological, educational and cultural issues associated with child abuse, family and interpersonal violence, including reporting responsibilities, assessment, intervention, current research and community resources.



- **CHDV 4240 - Effects of Family Transitions on Children**

---

(3)

Prerequisites: CHDV/SOC1200, CHDV 1400. Overview of family transitions (divorce, military deployment, immigration, relationship dissolution, or incarceration) that disrupt relationships and impact children across the lifecycle. Course examines loss, parental conflict, family relationships, attachment, support networks and family adjustments.

- **CHDV 4260 - The Hospitalized Child**

---

(3)

Psychosocial care of children/families in health care settings. Effects of medical environments on children/families with emphasis on strategies that enhance family coping.

- **CHDV 4270 - Disability Across the Lifespan**

---

(3)

Introduction to disability studies from an interdisciplinary perspective. Social, cultural and political contexts of disability with a family and development lifespan focus. Some sections of this course may be taught hybrid or online.

- **CHDV 4290 - Family Interactions and Communication**

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(3)

Interactions and communication within families from a cultural and developmental framework. Influence of communication on family dynamics, relationships, and functioning across the family life course. Some sections may be taught hybrid or online.

- **CHDV 4300 - Parent-Child Development Over the Family Life Cycle**

---

(3)

Prerequisite: Completion of CHDV 2000 with a grade of C or better. Examines the interplay of personal and family developmental cycles and the developmental tasks of parents and children, key theories of parent-child development, and current social policies and programs serving parents.

- **CHDV 4360 - Family Stress and Resilience: Cultural Considerations**

---

(3)

Overview of family experiences in managing situational and environmental stress, with a focus on how family resiliency, cultural considerations and family risk and protective factors influence adaptation to stressful events. Some sections of this course may be taught hybrid or online.

- **CHDV 4440 - Family Life Education Methods and Professional Ethics**

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(3)

Prerequisite: HHS 4000 or EDFN 4520. Principles, methods and professional ethics associated with family life education (planning, implementation, evaluation). Theoretical foundations of parent education programs, survey of parent education programs, dynamics of parent education groups. Some sections of this course may be taught hybrid or online.

- CHDV 4460 - Therapeutic Play and Play Therapy

---

(3)

Overview of therapeutic play techniques for children and families in health care settings. Use of play therapy techniques as a method for communicating with children in agency- and school-based settings.

- CHDV 4540L - Special Topics in Child Development

---

3

Prerequisite: Varies with specific topic. Current topics of special interest to CHDV students as announced in The Schedule of Classes. May be repeated for 12 units of credit as subject matter changes.

- CHDV 4700 - The Family and the Law

---

(3)

General foundation in areas of family law, including child welfare, immigration, early care and education, civil litigation, and the impact of legal systems on children and families.

- CHDV 4800 - Loss and Grief Experiences in Families

---

(3)

Overview of loss experiences that elicit grief and bereavement processes in families. Normative child/family development, attachment, loss and resiliency theories provide the foundation for exploration of issues.

- CHDV 4920 - Language Development

---

**(also listed as COMD 4560)**

(3)

Prerequisite: Completion of CHDV2000 with a grade of C or better or consent of instructor. Language acquisition in typically developing children from infancy through late childhood, with a focus on the development of phonology (sounds), lexicon (words), syntax and morphology (sentences), and communicative competence (language use). Some sections of this course may be offered as hybrid or online.

- CHDV 4930 - Second Language Acquisition in Childhood

---

(3)

Prerequisites: CHDV4920 with a grade of C or better or by consent of instructor. No prerequisites for non-majors. Theory and empirical research on second language acquisition in children from birth to 5 years; simultaneous and sequential bilingualism; psychological, sociocultural, and linguistic factors related to second language development. May be offered as an online or hybrid course.

- CHDV 4950 - Directed Field Experience

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(3)

Prerequisite: Departmental approval. Supervised experience in preschool settings or early childhood program. May be repeated to 6 units. CR/NC.

- CHDV 4960 - Senior Seminar

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(3)

Prerequisites: Completion of 135 units; Block A2 and A3, and CHDV 3430, CHDV3500, CHDV4920/COMD 4560; all prerequisites must have a grade of C or better. An intensive seminar experience that examines major issues, themes, theories and research findings in child development Principles and techniques of writing a critical literature review in Child Development. Restricted to Child Development majors or graduate students working on prerequisite requirements.

(wi)

- CHDV 4970 - Senior Honors Thesis

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(3)

Prerequisites: Completion of 135 units; satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). CHDV 210, CHDV 220, CHDV 443, CHDV 492/COMD 456: all prerequisites must have a grade of C or better; admission to Child Development Honors program. Restricted to Child Development majors or graduate students working on prerequisite requirements. An intensive seminar experience that examines the integration of theory, research, and practice. Writing of honors thesis under the supervision of honors adviser; approval and regular consultation with adviser required.

- CHDV 4990 - Undergraduate Directed Study

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(3)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for 12 units of credit.

#### **Child and Development (Graduate)**

*With graduate adviser approval, appropriate 4000-level courses in Child Development-related disciplines may be applied toward requirements for the master's degree. Classified graduate standing is required for admission to all 5000 level courses*

- CHDV 5000 - Advanced Developmental Science

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(3)

The foundation of graduate study of the developing person. Theories of development in the major age periods; issues and methods in current research.

- CHDV 5060 - Seminar in Social Development and Resiliency

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(3)

Study of social and emotional development including concepts of risk, protection, resilience and competence. Applications for interventions.

- CHDV 5080 - Research Methods

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(3)

Prerequisites: HHS 4000 or EDFN 4520 and CHDV 5000. Methods of studying children and families, basic research designs, core issues in studying development, ethical issues and emerging methodologies.

- **CHDV 5081 - Analytical Methods**

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(3)

Prerequisites: HHS 4000 or EDFN 4520 and CHDV 5080. Application of research methods in understanding data analysis. Students will become familiar with data entry and data analysis using specific data sets. Seminar 3 hours, Laboratory 3 hours.

- **CHDV 5090 - Cognition and Language Development**

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(3)

Prerequisites: CHDV 4920 and CHDV 5000. Survey of cognitive and language development: emphasizes origins of knowledge; development of sensory, motor, perceptual, attention processes; development of language(s) during early years; development of higher order cognition across late adolescence.

- **CHDV 5100 - Special Topics in Child Development**

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(3)

Prerequisite: CHDV 5000 In-depth study of selected topics related to current issues and research in child development.

- **CHDV 5950 - Graduate Field Work**

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(3)

Prerequisites: Completion of core courses and instructor consent to act as supervisor. Supervised individual field experience in child development settings; assignments on individual basis. May be repeated to maximum of 6 units.

- **CHDV 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **CHDV 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **CHDV 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: CHDV 507; instructor consent to act as supervisor. Independent directed study of advanced topics in the field of child development; regular conferences with instructor. May be repeated to maximum of 6 units.

- **CHDV 5990 - Thesis or Project**

---

(1-5)

Prerequisites: CHDV 510; advancement to candidacy; instructor consent to act as adviser; approval of topic prior to registration for thesis or project. Independent research resulting in thesis or project. Must be repeated to maximum of 6 units. Graded CR/NC.

- **CHDV 9000 - Graduate Studies**

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(0)

Prerequisite: CHDV 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Chinese (Undergraduate)**

- **CHIN 1001 - Elementary Mandarin I**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Mandarin. Introduction to the customs, culture, and institutions of the Chinese people.

**GE C2**

- **CHIN 1002 - Elementary Mandarin II**

---

(4)

Prerequisite: CHIN1001 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Mandarin. Introduction to the customs, culture, and institutions of the Chinese people.

**GE C2**

- **CHIN 2001 - Intermediate Mandarin I**

---

(4)

Prerequisite: CHIN1002 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Mandarin; grammar review; vocabulary building; study of the customs, culture, and institutions of the Chinese people.

**GE C2**

- **CHIN 2002 - Intermediate Mandarin II**

---

(4)

Prerequisite: CHIN2001 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Mandarin; grammar review; vocabulary building; study

of the customs, culture, and institutions of the Chinese people.

## **GE C2**

- **CHIN 3001 - Advanced Chinese I**

---

(3)

Prerequisite: CHIN 2002; ML 1010. Must be taken in sequence. Practice in oral and written Mandarin. Emphasis on fluency, correct expression in writing, and vocabulary expansion through reading contemporary literature.

- **CHIN 3050 - Introduction to Chinese Linguistics**

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(3)

Prerequisite: CHIN 3001 Basic concepts of linguistics as applied to Chinese language. Includes Chinese phonetics, phonology, morphology, syntax, semantics, and pragmatics.

- **CHIN 3095 - Chinese in Community Service**

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(1-3)

Prerequisite: CHIN 3001, approval of department faculty adviser in consultation with the Department Chair, acceptance by community agency. Participation in work of a community agency or program utilizing communication skills in Chinese. May be repeated once to a maximum of 6 units. Graded CR/NC.

- **CHIN 3100 - Chinese Civilization**

---

(3)

Prerequisite: CHIN 2002. Major cultural and social trends of China from beginning to present.

- **CHIN 3150 - Language in Chinese Society**

---

(3)

Prerequisite: CHIN 2002. Study of how Chinese language functions in contemporary society. Politeness, genderlects, slang, taboos, loan words, personal naming, and cross-dialectal influence and misunderstanding.

- **CHIN 3220 - Newspaper Chinese**

---

(3)

Prerequisite: CHIN 3001. Extensive reading in leading Chinese newspapers and magazines from People's Republic of China, Republic of China (Taiwan), Hong Kong, etc. Emphasis on abbreviated phrases used in contemporary newspapers and magazines.

- **CHIN 3800 - Business Chinese**

---

(3)

Prerequisite: CHIN 2002. Intensive study of Mandarin Chinese used in business; theory and practice of fundamentals of commercial correspondence and negotiations in Chinese.

- CHIN 4010 - Introduction to Wenyan: Classical Chinese Language

---

(3)

Prerequisite: CHIN 3001. An introduction to classical Chinese language through selections from great classics such as Dao De Jing, Zhuang Zi, Lunyu, and Shiji.

- CHIN 4030 - Contrastive Analysis of Chinese and English Structures

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(3)

Prerequisites: CHIN 3001 and ENGL 4010. Contrastive analysis of structures of Chinese and English describing similarities and differences of each, emphasis on studying structures that cause interference in language learning.

- CHIN 4080 - Chinese Literature I

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(3)

Prerequisite: CHIN 3001. Chinese literature from the beginnings to the 13th century.

- CHIN 4100 - Chinese Literature II

---

(3)

Prerequisite: CHIN 3001. Chinese literature from the 13th century to the present.

- CHIN 4260 - Chinese Film

---

(3)

Study of the history of Chinese film, cinematic theories, and the style and art of major directors. Analysis of film adaptation of literary texts. Conducted in English.

- CHIN 4280 - Chinese Women's Literature

---

(3)

Prerequisite: CHIN 3002. Study of works by Chinese women writers from the classical period to the present.

- CHIN 4510 - Proseminar: Chinese Linguistics

---

(3)

Prerequisites: CHIN 3001, CHIN 3050, ENGL 4010. In-depth study of selected topics in Chinese linguistics. May be repeated to a maximum of 8 units as subject matter changes.

- CHIN 4520 - Proseminar Yuan Ming Drama

---

(3)

Prerequisite: CHIN 4100. In-depth study of the Golden Age of Chinese Drama during the Yuan and the Ming Dynasties; political, cultural, and aesthetic values; and their influence on subsequent literary history and world culture.

- CHIN 4540 - Special Topics in Chinese

---

(3)

Current topics of special interest to students in Chinese as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- CHIN 4541 - Special Topics in Chinese

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(3)

Current topics of special interest to students in Chinese as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- CHIN 4600 - Proseminar: Masters of Chinese Culture and Thought

---

(3)

Prerequisite: CHIN 3001. Study of major figures in Chinese intellectual history. May be repeated to a maximum of 6 Units as subject matter changes.

- CHIN 4990 - Undergraduate Directed Study

---

(1-3)

Prerequisite: Instructor's Consent. Project selected in conference with instructor before registration; progress meetings held regularly and culminating in written reports. May be repeated to a maximum of 6 units for credit.

### **Civil Engineering (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by department and approval of a graduate adviser.*

- CE 1950 - Introduction to Civil Engineering Design

---

(2)

Prerequisites: ENGR 1500, CE 2020, PHYS 2100. Introduction to civil engineering design including problem identification, data gathering, analysis, feasibility study, alternative design, decision making and communication. Lecture 1 hours, Laboratory 3 hours.

- CE 2010 - Statics

---

**(also listed as ME 2010)**

(3)

Prerequisites: MATH 2120, PHYS 2100 both with a minimum C grade. Fundamental principles of statics, resolution and composition of forces, algebraic and graphic solutions, friction, center of gravity, moment of inertia.

### **CI-D ENGR 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-*



year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **CE 2020 - Plane Surveying**

---

(2)

Prerequisite: MATH 1040 or satisfactory score on mathematics placement test. Principles and practices of measurement of distances, directions, and elevations; care and use of level, transit, plane table; mapping practice, and symbols. Laboratory 6 hours.

**CI-D ENGR 180:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **CE 2050 - Strength of Materials I**

---

**(also listed as ME 2050)**

(3)

Prerequisites: CE/ME 2010 with a minimum C grade. Stresses and strains under axial, shearing, and torsional forces; flexural stresses and deflections of simple beams; columns; and combined stresses.

**CI-D ENGR 240:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **CE 2120 - Matrix Algebra and Statistics for Engineers**

---

**(also listed as ME 2120)**

(3)

Prerequisites: MATH 2120. Introduction to calculations using vectors; matrix operation; solution of linear simultaneous equations; coordinate transformation; probability distributions and densities; concepts in statistics; application to engineering problems.

- **CE 2200 - Coastal Zone Environment**

---

(3)

Introduction to the engineering properties and processes of the oceans and their coasts. Explanation of the purpose and design of structures built within the coastal zone and the management of the coastal environment. Human interactions with the ocean such as assessing needs and selection of coastal structures to assist with the management of the coast: Beach access laws fishing and waste disposal. A Field trip to observe coastal processes and coastal structures that permit habitation of the coastal zone and an experiment that utilizes the fluid laboratory to measure and

predict impacts of the coastal structures. Not intended for Engineering majors.

## **GE B1**

- **CE 2800 - Numerical Methods for Engineers I**

---

(1)

Prerequisite: CE/ME 2120. This course focuses on equipping students with the basic computing skills students will need throughout their engineering disciplines. The emphasis is on translating open-ended problems into algorithm development and implementation to solve basic numerical problems. Topics include introduction to basic engineering problems and their conceptualization through mathematical models, and introduction to algorithm development and implementation into a computer program. (Laboratory 3 hours)

### **CI-D ENGR 220:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **CE 2840 - Environmental Engineering I**

---

(1)

Prerequisites: CHEM 1040 and MATH 2120. This course provides an overview of natural environmental systems and processes with special emphasis placed on the interactions among environmental systems (e.g., air, water, and soil) and between humans and technology and the environment. Topics include occurrence and movement of surface water and groundwater, water and sewage treatment, air pollution, climate change, modeling, hazardous and solid waste management, green engineering, and nutrient and contaminant cycling. (Laboratory 3 hours)

- **CE 3000 - Economics for Engineers**

**Also listed as EE 3000 and ME 3000**

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(3)

Basic economic concepts and principles, costs and benefits analysis, alternative designs, economic viability of engineering solutions in broader context.

- **CE 3010 - Ethics and Professionalism in Civil Engineering**

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(3)

Prerequisite: Junior standing in civil engineering. Analysis of Ethics and professional standards in civil engineering profession; impact of civil engineering profession on society; professional registration and liability; government regulations, legal and ethical aspects of construction, public infrastructure management, and public policy; principles of sustainability in design and engineering practice.

- **CE 3030 - Fluid Mechanics I**

**(also listed as ME 3030)**

---

(3)

Prerequisite: PHYS 2100. CE/ME 2010 with a minimum C grade. Fundamental principles and methods of fluid mechanics; thermodynamics of fluid flow; Newtonian fluids; equations of fluid flow; laminar and turbulent flow; applications.

- **CE 3060 - Communication for Civil Engineers**

---

(2)

Prerequisites: Satisfactory completion of the GE Block A, B4, and one additional course in Block B, ENGL 2030, and at least one course each from Block C and Block D. Exposure to key communication skills encountered in civil engineering practice. Integration of oral and written communication skills centered around a civil engineering design project. Individual and team assignments. Lecture 1 hour, laboratory 3 hours.

**WI**

- **CE 3120 - Strength of Materials Laboratory I**

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**(also listed as ME 3120)**

(1)

Prerequisites: CE/ME 2050 (Strength of Materials I). Tests of engineering materials in tension, compression, bending, and torsion; verification by experiment; basic theories learned in strength of materials. Laboratory 3 hours.

- **CE 3130 - Fluid Mechanics Laboratory I**

---

**(also listed as ME 3130)**

(1)

Prerequisite: CE/ME 3030. Experiments on fluid properties, fluid statics, conservation of mass, energy, and momentum, and fluid resistance. Laboratory 3 hours.

- **CE 3140 - Hydraulics Laboratory I**

---

(1)

Prerequisites: CE/ME 3030 and PHYS 2200. Experiments on fluid properties, fluid statics, conservation of mass, energy, and momentum, pressure flow, open channel hydraulics, and fluid resistance. Laboratory 3 hours.

- **CE 3200 - Dynamics for Civil Engineers**

---

(2)

Prerequisite: CE/ME 2010 with a minimum grade of C, MATH 2150 and PHYS 2200. Plane kinematics and kinetics of particles and rigid bodies; Newton's second law, work-energy and impulse-momentum methods; mass flow; structural vibrations. Lecture 2 hours

**CI-D ENGR 230:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **CE 3520 - Technological Aspects of Urban Environment**

(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Current engineering practice in dealing with urban problems such as financial, transportation, pollution, communications, public utilities, land use planning and public health. Not acceptable for engineering technical elective credit.

**UD GE B**

- **CE 3580 - Environment, Earth Systems and Technology**

(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Consider the role of technology in the changing relationships between human societies and their environment; studies the impact of the agricultural, industrial and information revolutions on natural systems and sustainability.

**UD GE B**

- **CE 3600 - Structural Mechanics I**

(3)

Prerequisite: CE/ME 2050 with a minimum grade of C. Analysis of determinate structures: beams, frames, and cables. Introduction to influence lines and analysis of indeterminate structures.

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# University Catalog

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### Civil Engineering (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by department and approval of a graduate adviser.*

- **CE 3610 - Introduction to Structural Design**


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(3)  
 Prerequisites: CE 1950, CE 3200, CE 3600. Loads on buildings and load distribution in framed structures, codes and specifications, design of simple beams, columns and tension members made from steel and concrete.
- **CE 3640 - Civil Engineering Materials Laboratory**


---

(1)  
 Prerequisites: CHEM 1040, CE 3610, CE/ME 3120, CE3660 and CE 3760. Physical tests of construction materials such as cement, concrete aggregates, asphalt cement concrete, constituents of masonry, fiber reinforced plastics (FRPs), timber and steel. Strength tests. Laboratory 3 hours.
- **CE 3650 - Specifications, Cost Estimating, and Construction Management**


---

(3)  
 Prerequisite: Senior standing in engineering. Introduction to Construction Management, specification, and cost estimating.
- **CE 3660 - Geotechnical Engineering I**

---

(3)

Prerequisites: CE/ME 2050 with a minimum grade of C; prerequisite or corequisite: CE/ME 3030. Physical and mechanical properties of soils, classification, permeability, seepage, compaction, effective stress, stress distribution, consolidation, settlement, Mohr's Circles, shear strength, and testing methods.

- **CE 3680 - Geotechnical Engineering Laboratory**

---

(1)

Prerequisites: CE 3660, CE 3120. Determination of index and strength properties of soils. Tests include: sieve and hydrometer analysis, permeability, compaction, sand cone, unconfined compression, consolidation, and direct shear. Laboratory 3 hours.

- **CE 3700 - Transportation Engineering**

---

(3)

Prerequisites: CE 2020 (Plane Surveying). Fundamental principles for analysis, planning, design, and operation of transportation systems.

- **CE 3720 - Asphaltic Materials Laboratory**

---

(1)

Prerequisite: CE/ME 3120 (Strength of Materials Lab). Laboratory tests on asphalt cement and aggregates; design of asphaltic mixtures; proportioning of asphalt cement and aggregates; preparation of test specimens. Laboratory 3 hours.

- **CE 3760 - Properties of Civil Engineering Materials**

---

(2)

Prerequisites: CHEM 1040, CE 3120, CE 3610 and CE 3660. Introduction to structure and properties of civil engineering materials such as steel, cement, concrete, asphalt, soil, wood and polymers. Lecture 2 hours

- **CE 3800 - Numerical Methods for Engineers II**

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(2)

Prerequisite: CE 2800 (Numerical Methods for Engineers I), MATH 2150 (Differential Equations). Applied numerical methods for engineers with computer applications. (Laboratory 6 hours).

- **CE 3810 - Computer Aided Design Laboratory**

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(1)

Prerequisites: CE/ME 3030 (Fluid Mechanics I), CE 3610 (Intro. to Structural Design), CE 3700 (Transportation Engr.). Use of computer-aided visualization, comprehension and graphical representation in planning and design of civil engineering projects.

- **CE 3820 - Computer Aided Structural Analysis, Design and Experimentation Laboratory**

---

(1)

Prerequisites: CE/ME 3120 (Strength of Materials Lab), CE 3610 (Intro. to Structural Design). Computer aided structural analysis and design using structural simulation software as encountered in practice. Computer aided structural experimentation and comparison of experimental results with structural analysis software. Laboratory 3 hours.

- **CE 3840 - Environmental Engineering II**

---

(2)

Prerequisites: CE 2840 (Environmental Engineering I). This course is the second in the required core environmental engineering series. Discussion on natural environmental systems will continue, with special emphasis on the role and sustainability of engineered systems (i.e., water/wastewater treatment plants, landfills, remediation technologies, etc.). Greater focus on the fundamentals of the fate and transport of contaminants and nutrients in air, surface waters, groundwater, and soils. (Lecture 1 hours, laboratory 3 hours).

- **CE 3860 - Design of Water Resources Systems**

---

(3)

Prerequisites: CE 1950, CE/ME 3030. Development of water resources, water demand analysis, availability of water, storage and control structures, conveyance and distribution systems, components of distribution system, and drainage system. (Lecture 2 hours, laboratory 3 hours).

- **CE 3870 - Hydraulics I**

---

(3)

Prerequisite: CE/ ME 3030 (Fluid Mechanics I). Introduction to open channel flow, gradually varied flow, hydraulic machinery, and introduction to unsteady flow.

- **CE 3980 - Cooperative Education**

---

(1-3)

Prerequisites: Approval of student adviser and department chair. Integration of civil engineering work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. Graded CR/ NC.

- **CE 4020 - Strength of Materials II**

---

(3)

Prerequisites: CE/ME 2050 (Strength of Materials I), MATH 2150 (Differential Equations). Stress-strain relationship in three dimensions, energy principles; theories of failure, curved beams, thick wall cylinders, shear center, unsymmetrical bending, and torsion in noncircular sections.

- **CE 4140 - Hydraulics Laboratory II**

---

(1)

Prerequisites: Prerequisite: CE 3140; prerequisite or co-requisite: CE 3860. Experiments on pressure flow, free surface

flow, pumps, turbines,, and unsteady flow. Laboratory 3 hours.

- **CE 4540 - Special Topics in Civil Engineering**

---

(1-3)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced civil engineering subjects upon approval of instructor.

- **CE 4540L - Special Topics in Civil Engineering**

---

(1)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced civil engineering subjects upon approval of instructor. Tests include physical tests of cement, aggregates and other agents, mix design; workability and strength tests. Concrete canoe design and construction.

- **CE 4600 - Structural Mechanics II**

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(3)

Prerequisite: CE 3600 (Structural Mechanics I). Analysis of indeterminate structures; moment distribution, slope deflection, and approximation methods; three dimensional frames and long span structures.

- **CE 4610 - Design of Steel Structures**

---

(3)

Prerequisites: CE 3600 (Structural Mechanics), CE 3610 (Intro. To Structural Design). Design of steel structures; lateral buckling of beams and frames, built-up beams, girders and trusses; moment connections, torsion and unsymmetrical bending; diaphragms and lateral force designs.

- **CE 4620 - Reinforced Concrete Design I**

---

(3)

Prerequisites: CE 3600 (Structural Mechanics I), CE 3610 (Intro. To Structural Design). Strength design of reinforced concrete structures, beams, slabs, frames, columns, footings, and retaining walls.

- **CE 4630 - Timber and Masonry Design**

---

(3)

Prerequisites: CE 3600 (Structural Mechanics I), CE 3610 (Intro. To Structural Design). Wood properties and design of wood structural elements, plywood and glulam products; reinforced masonry (brick and concrete) units, material properties, design of reinforced masonry structural elements.

- **CE 4650 - Seismic Design**

---

(3)

Prerequisites: CE 3200 and CE 3610. Earthquake and ground motion characteristics, structural response to support



motions, lateral force resisting systems, determination of seismic forces, design of buildings for lateral loads.

- **CE 4670 - Geotechnical Engineering Design I**

---

(3)

Prerequisite: CE 3660. Site investigation and subsurface exploration, geotechnical design of shallow and deep foundations, earth retaining structures, and slope stability.

- **CE 4710 - Highway Engineering**

---

(3)

Prerequisites: CE 3700 (Transportation Engineering), CE 2020 (Plane Surveying). Introduction to principles of highway design including route location, geometric of horizontal and vertical curves, earthwork computations, drainage designs; computer applications.

- **CE 4720 - Highway and Airport Pavement Design**

---

(3)

Prerequisites: CE 3680 (Geotechnical Eng. Lab), CE 3700 (Transportation Eng.) Theory and principles of pavement design for highways and airports; effects of soil characteristics and physical properties of basic materials; testing procedures. Grading ABC/NC.

- **CE 4730 - Pavement Design Laboratory**

---

(1)

Prerequisite: CE/ME 3120 (Strength of Materials Lab). Basic tests performed in evaluation of treated and untreated bases, subbases, and subgrades necessary for pavement thickness design. Laboratory 3 hours.

- **CE 4740 - Traffic Engineering**

---

(3)

Prerequisite: CE 3700 (Transportation Engineering). Elements of traffic engineering; vehicle, driver, and road characteristics; capacity and flow determination; signalized intersections; parking and accident studies; street, freeway, and mass transit operations.

- **CE 4750 - Advanced Geomatics**

---

(3)

Prerequisite: Prerequisite: CE 2020 and CE 3700. Advanced geomatics, including triangulation, global positioning system (GPS), design and field layout of a spiraled horizontal curve including a vertical curve, and earthwork determination. Lecture 1 hours, laboratory 6 hours.

- **CE 4790 - Groundwater Contamination and Remediation**

---

(3)

Prerequisite: CE 3840 (Environmental Engineering II). Study of the fate of contaminants in the subsurface environment. Focus is on the transport of chemicals through porous media including possible transformations (chemical, physical, and

biological). (Lecture 2 hours, laboratory 3 hours).

- **CE 4800 - Environmental Modeling**

---

(3)

Prerequisites: CE 3800 (Numerical Methods II), CE 3840 (Environmental Engineering II). This course introduces basic tools and processes used to model complex environmental systems. The emphasis is on physical, chemical and biological processes used in the development of environmental models. Topics include development of mass-balance-based numerical models, capturing, storing, analyzing, and displaying geographically referenced data, application of environmental models to evaluate pollutant fate and transport in air and water, and model evaluation. (Lecture 2 hours, laboratory 3 hours).

- **CE 4830 - Hydrology I**

---

(3)

Prerequisite: CE/ME 3030 (Fluid Mechanics). Precipitation, evaporation, infiltration, transpiration, and runoff; methods of predicting discharge from precipitation, flood routing, and measurement of hydrologic processes.

- **CE 4840 - Environmental Engineering Design**

---

(3)

Prerequisite: CE 3840 (Environmental Engineering II). This course focuses on the analysis and design of environmental systems including water and wastewater treatment plants, treatment lagoons, air pollution prevention equipment, industrial waste treatment facilities, groundwater remediation, and other pertinent engineered systems. (Lecture 2 hours, laboratory 3 hours).

- **CE 4850 - Water Supply**

---

(3)

Prerequisite: CE/ME 3030 (Fluid Mechanics). Sources and collection of surface and ground water, distribution systems, water quality, water treatment plants, sedimentation, filtration, softening, and disinfection.

- **CE 4960 - Civil Engineering Design Project I**

---

(2)

Prerequisites: CE 3010, 3060, 3610, 3660, 3700, 3800, 3840, 3860, CE/ME/EE 3000. Design of a civil engineering project requiring integration of acquired knowledge. Alternative analysis that incorporates both technical and non-technical constraints. Understand engineering solutions and profession in broader context. Individual and group work required. A preliminary report and oral presentation required. Laboratory 6 hours. CE 4960 and 4970 must be taken in consecutive semesters.

**UD (wi) and (cl)**

- **CE 4970 - Civil Engineering Design Project II**

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(2)

Prerequisite: CE4960. CE 4960 and 4970 must be taken in consecutive semesters. Continuation of design project initiated in CE 4960. Complete analysis and design of system including application of constraints. Preparation of final design report, including: memoranda, computations, drawings, cost estimates etc. Individual and group work

required. Develop a broader understanding of engineering solutions as well as professional ethics. Final written report and oral presentation is required. Lecture 1 hour, Laboratory 3 hours.

- **CE 4990 - Undergraduate Directed Study**

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(1-3)

Prerequisite: CE 4960 (Civil Engineering Design Project I) and CE 4970 (Civil Engineering Design Project II)/Senior Standing. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

#### **Civil Engineering (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 5000 level courses*

- **CE 5540 - Advanced Topics in Civil Engineering**

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(3)

Prerequisites: Department approval required. Advanced topics in Civil Engineering. May be repeated to a maximum of 8 units as subject matter changes.

- **CE 5550 - Reinforced Concrete Design with FRP Reinforcement**

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(3)

Prerequisite: CE 4620 (Reinforced Concrete Design I). Design of Concrete Structures with Fiber-Reinforced Polymer (FRP) Reinforcement. Lectures will address the design of new, and rehabilitation and strengthening of existing reinforced concrete structures. The design, and design review will be conducted during the laboratory section of the course. (Lecture 3 hours, Laboratory 3 hours)

- **CE 5600 - Structural Mechanics III**

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(3)

Prerequisite: CE 4600 (Structural Mechanics II). Column analogy, moment distribution applied to nonprismatic members, elastic energy method applied to arches and curved members, influence lines for indeterminate structures and secondary stresses.

- **CE 5610 - Advanced Steel Design**

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(3)

Prerequisites: CE 4600, CE 4610 Emphasis on LRFD method, Unsymmetrical bending and torsion of beams, composite beams, nonprismatic beams, plate girders, beam-columns, frames and connections.

- **CE 5620 - Reinforced Concrete Design II**

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(3)

Prerequisite: CE 4620 (Reinforced Concrete Design I). Creep and plastic flow of concrete. Theory and practice of ultimate strength design. Prestressed concrete structures.

- **CE 5640 - Finite Element Method in Structural Analysis**

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(3)

Prerequisite: CE 4600 or 4020. Finite element method for structures: truss, frame, 2D plane, and shell elements; isoparametric formulation; static and dynamic analysis.

- **CE 5650 - Dynamics of Structures**

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(3)

Prerequisite: CE 4600 (Structural Mechanics II). Free vibrations, forced vibrations and transient response of structures and structural components having one and many degrees of freedom; damping and inelastic action, earthquakes and nuclear blasts; dynamic resistance of structures; limit design; design for dynamic loads.

- **CE 5660 - Geotechnical Engineering II**

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(3)

Prerequisite: CE 4670. Advanced in-situ and laboratory test methods, shear strength of cohesionless and cohesive soils, slope stability and remediation methods.

- **CE 5670 - Geotechnical Engineering Design II**

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(3)

Prerequisite: CE 4670. Subsurface exploration methods, advanced topics in shallow and deep foundations, dynamic analysis of piles, group capacity and lateral pile loading, NDT of pile foundations, earth retaining structures and tiebacks.

- **CE 5690 - Earth Structures**

---

(3)

Prerequisite: CE 4670 (Foundations I). Factors influencing design, explorations for foundations and construction processes, compactions, stability analysis, seepage control, earth dams.

- **CE 5700 - Geotechnical Earthquake Engineering**

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(3)

Prerequisite: CE 4670. Basic seismology, seismic ground motions, deterministic and probabilistic seismic hazard analysis, dynamic soil properties, site response analysis, liquefaction and lateral spread, seismic slope stability, seismic design of earth retaining structures.

- **CE 5710 - Highway Design**

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(3)

Prerequisite: CE 4710 (Highway Engineering). Practical application of American Association of State Highway and Transportation Officials (AASHTO) policy on design controls; capacity analysis for uninterrupted flow, weaving section and ramps; functional design procedures in development of an interchange.

- **CE 5720 - Plates and Shells**

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(3)

Prerequisites: CE 4020 (Strength of Materials II), CE 4600 (Structural Mechanics II). Equations of bending of thin elastic plates, energy method; approximate and numerical methods; theory of shells with application to tanks, roofs, and pressure vessels.

- **CE 5740 - Traffic Flow Analysis**

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(3)

Prerequisite: CE 3700 (Transportation Engineering). Measurements and analysis of traffic flow characteristics: speed, density, flow, headway; statistical data analysis, time-space diagrams, traffic flow models, queuing theory, shock wave analysis, traffic models applications.

- **CE 5750 - Urban Transportation Planning**

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(3)

Prerequisite: CE 3700 (Transportation Engineering). Travel forecasting, data requirements, collection methods, trip generation and distribution models; modal split analysis, trip assignment, plan alternatives, and evaluation methodology.

- **CE 5770 - Bridge Engineering**

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(3)

Prerequisites: CE 4610 (Design of Steel Structures), CE 4620 (Reinforced Concrete Design I). Design of steel, concrete, and timber bridges, piers, and abutments; American Association of State Highway and Transportation Officials (AASHTO) specifications; criteria for earthquake resistant design of bridges; geometry, safety economics, and aesthetics.

- **CE 5790 - Environmental Mass Transfer**

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(3)

Prerequisite: CE 3840 (Environmental Engineering II) or equivalent. Study the fate of contaminants in the environment. Emphasis on the fundamentals of mass transfer including: sorption/desorption, contaminant retardation, vaporization and dissolution of Nonaqueous Phase Liquids (NAPL), and other phenomena.

- **CE 5800 - Advanced Environmental Modeling**

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(3)

Prerequisites: CE 4800 (Environmental modeling) or equivalent. Numerical methods are used in this course to solve complex environmental transport equations. The emphasis is on finite difference and finite element methods. Topics include derivation of mass-balance-based transport equations, algorithm development for models that range from simple steady-state homogeneous isotropic condition to complex transient heterogeneous anisotropic condition, and implementation into a computer program. (Lecture 3 hours, Laboratory 3 hours)

- **CE 5810 - Modeling Techniques in Hydraulic Engineering**

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(3)

Prerequisite: CE/ ME 3030 (Fluid Mechanics). Dimensional analysis: similarity law and hydraulic, coastal, and estuarine models; mathematical models.

- **CE 5820 - Statistical Hydrology**

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(3)

Prerequisites: CE 4830, CE/ME 2120. Statistical and probability analysis of hydrologic processes. Frequency analysis of extreme hydrologic events. Application of correlation and regression method to hydrologic variables. Elementary time series analysis of hydrologic data. Uncertainty and risk analysis.

- **CE 5830 - Hydrology II**

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(3)

Prerequisite: CE 4830 (Hydrology I). Space-time characteristics and mechanics of rainfall, surface run-off and infiltration. Theory of drainage basin dynamics. Low stream flow.

- **CE 5850 - Environmental Transport**

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(3)

Prerequisite: CE 3840. Transport in water and air emphasizing exchanges across boundaries such as sediment-water and air-water; particles, droplets, and bubbles; effect of reactions on transport; linkages between physical, chemical, and biological processes.

- **CE 5860 - Open Channel Hydraulics**

---

(3)

Prerequisites: MATH 2150 and (CE 3870 or CE 3860). Gradually varied flow; rapidly varied flow; design of channels and transition structures; unsteady flow; Computer Modelling.

- **CE 5870 - Hydraulics II**

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(3)

Prerequisite: CE 3870 (Hydraulics I). Unsteady flow in pipes, wave motion, sediment transportation, and coastal engineering.

- **CE 5880 - Hydraulic Structures**

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(3)

Prerequisite: CE 3870 or CE 3860. Hydraulic structures for impounding, conveying, and controlling water; dam engineering; energy dissipation design on spillways and outlets; river engineering; numerical modeling of sediment transport and open channel flow.

- **CE 5890 - Coastal Engineering**

---

(3)

Prerequisite: CE 3870 (Hydraulics I). Fundamentals of water waves and their effects. Diffraction, reflection, and refraction; impulsively generated waves; effect of waves on coastal structures.

- **CE 5960 - Comprehensive Examination**

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(0)

Prerequisites: CE 4960 (Civil Engineering Design Project I) and CE 4970 (Civil Engineering Design Project II (or ABET accredited undergraduate degree in civil engineering)). Permission needed by department. Students who select the comprehensive examination (CE 5960) should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements.

- **CE 5970 - Graduate Research**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor and departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Graded CR/ NC.

- **CE 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor and departmental approval. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

- **CE 5990 - Thesis or Project**

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(1-4)

Prerequisites: CE 4960 (Civil Engineering Design Project I) and CE 4970 (Civil Engineering Design Project II) (or ABET accredited undergraduate degree in civil engineering). Advancement to candidacy, instructor consent to act as a sponsor and college approval of the topic prior to registration.

- **CE 9000 - Graduate Studies**

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(0)

Prerequisite: CE 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

**Computer Integrated Design (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 1100 - Introduction to Design Application and 3D Modeling**

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(3)

Application of theory and fundamentals of design: basic understanding in drafting techniques, engineering design, freehand sketching, use of latest Computer Aided Design (CAD) software.

- **TECH 3130 - Product Design and Development**

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(3)

Indepth examination of the process of designing products for manufacture. Analysis and application of the methods, models organizations, standards and practices used in industry.

- **TECH 3150 - Project Design and Document Control**

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(3)

Prerequisites: TECH 3130. Concepts, applications and procedures necessary to control, protect and access graphical data used in the management of design and manufacturing documentation.

### **Communication Disorders (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **COMD 1500 - Introduction to American Sign Language**

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(3)

Introduction to the American Sign Language organized gesture system including Deaf culture, visual signs, development of basic conversational skills, grammatical structure and principles underlying ASL.

**GE C2**

- **COMD 1700 - Introduction to Communication Disorders**

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(3)

Introduction to causes, characteristics, and remediation of common communication disorders in children and adults. Designed for majors in related fields and as a beginning course for Communication Disorders majors. Some sections of this course may be taught hybrid or online.

- **COMD 2500 - American Sign Language II**

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(3)

Prerequisite: COMD 1500. Continued study of Fundamentals of American Sign Language including comprehension skills, grammatical structures, practice in expressive aspects of the language, and exposure to Deaf culture.

- **COMD 3090 - Human Violence and Individual Change**

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**(also listed as PSY 3090)**

(3)

Prerequisites: Completion of GE Block A and B4, one additional Block B course, and one course each from Blocks C and D. Examination of theories, research, and practices for accomplishing individual change; application of models of change to alter violent or counterproductive behaviors and attitudes; improving human interaction, and reducing violence/abuse. Some sections of this class may include a service learning component where students volunteer in a community program addressing violence for 2 hours per week.



**GE UD D.**

- **COMD 3190 - Communicating with Abused Children and Violent Families**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and one course each from Blocks C and D. Maltreatment and children's communication development/dysfunction relative to social-emotional and cognitive development; communication demands in judicial, legal, and intervention processes; principles for interacting with and interviewing maltreated children. Some sections of this course may include a service learning component where students volunteer in a community program addressing communication about violence and abuse for 2 hours per week. Some sections may be offered online or hybrid.

**GE UD D (c)**

- **COMD 3500 - American Sign Language III**

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(3)

Prerequisite: COMD 2500. Continued study of fundamentals of American Sign Language including comprehension skills, grammatical structures, practice in expressive aspects of the language, and exposure to Deaf culture.

- **COMD 3540 - Employment Practices in Health-Related Professions**

---

(3)

This course examines the range of employment and graduate school options available to students with an undergraduate degree in Communication Disorders. Interdisciplinary work with special populations in the allied health field will be covered, as well as practical strategies for career planning. Some sections of this course may be taught hybrid or online.

- **COMD 3900 - Communication Disorders in Aging**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of speech, language, swallowing, hearing, and balance processes and disorders among older adults. Survey of communication and communication breakdown, remediation, and strategies for the communication needs of older adults. Some sections of this course may be taught hybrid or online.

**GE UD D**

- **COMD 3980 - Cooperative Education**

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(1-4)

Courses appropriate to the work experience: approval by major department Cooperative Education Coordinator.

- **COMD 4000 - Hearing Science**

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(3)

Anatomy and physiology of the hearing mechanism. Acoustical characteristics of sound, sound transmission, and sound sources. Psychoacoustics of human hearing. Some sections of this course may be taught hybrid or online.

- **COMD 4020 - Audiology and Audiometry**

---

(3)

Prerequisites: COMD 4000. Introduction to hearing disorders, the basic diagnostic audiological battery of tests, including pure-tone and speech audiometry, and identification audiometry. Some sections of this course may be taught hybrid or online.

- **COMD 4200 - Rehabilitative Audiology**

---

(3)

Prerequisites: COMD 4020. Issues concerning adults and children with hearing impairment: including speechreading, hearing aid use, counseling for adults, assessment and remediation of speech and language skills, auditory training, and educational placement for children. Some sections of this course may be taught hybrid or online.

- **COMD 4220 - Advanced Audiology**

---

(3)

Prerequisites: COMD 4200. Advanced audiological testing, including speech, bone conduction, physiologic measures, and techniques for pediatric testing; basic understanding of hearing aid selection, programming, and troubleshooting hearing instruments and assistive devices. Some sections of this course may be taught hybrid or online.

- **COMD 4500 - American Sign Language IV**

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(3)

Prerequisite: COMD 3500. Continued study of American Sign Language with emphasis on expressive/conversational skills along with continued focus on grammatical and cultural features.

- **COMD 4510 - Psychosocial Considerations in Communication Disorders**

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(3)

Prerequisites: 15 units of COMD coursework. Study of the impact of communication disorders on clients and families; focus on how communication disorders affect child-parent and spouse-spouse relationships and the necessity and methodology of using significant others as caregivers/helpers in the learning recovery process. Some sections of this course may be taught hybrid or online.

- **COMD 4520 - Professional Issues and Writing in Communication Disorders**

---

(3)

Prerequisites: Satisfactory completion of Blocks A2 and A3, and 15 units of COMD coursework. Professional and ethical-legal issues, practice considerations across varied work settings, and observation of service delivery will provide the basis for writing experiences for the student in Communication Disorders. Some sections of this course may be taught hybrid or online.

**(wi)**

- **COMD 4540 - Selected Topics in Communication Disorders**

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(1-3)

Prerequisite: Varies with topic. Current issues and interests of students in communication disorders and related disciplines as announced in Schedule of Classes. May be repeated to a maximum of 12 units of credit as subject matter changes.

- **COMD 4560 - Language Development**

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**(also listed as CHDV 4920)**

(3)

Prerequisite: Consent of instructor or completion of CHDV 2000 with a grade of C or better. Language acquisition in typically developing children from infancy through late childhood, with a focus on the development of phonology (sounds), lexicon (words), syntax and morphology (sentences), and communicative competence (language use). Some sections of this course may be taught hybrid or online.

- **COMD 4575 - Victimology in Child Abuse and Family Violence**

---

(3)

This course examines victimization's relationship to crime, with emphasis on child abuse and family violence. It will explore issues in the victim's rights movement and types of victimization. Special attention will be given to interventions and preventing secondary trauma. Some sections of this course may be taught hybrid or online.

- **COMD 4600 - Introduction to Language Science**

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(3)

The language system: structure, processing, and neurological basis. Focus on language sampling and clinical analysis of language. Some sections of this course may be taught hybrid or online.

- **COMD 4610 - Descriptive Phonetics**

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(3)

Phonetic-phonemic analysis of language; study of acoustic and physiological bases of speech. Development of phonetic transcription skills with concentration on broad transcription and an introduction to narrow transcription.

- **COMD 4620 - Anatomy and Physiology of the Speech Mechanism**

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(3)

Anatomy and physiology of body structures employed in speech production with emphasis on respiration, phonation, resonance, and articulation. Some sections of this course may be taught hybrid or online.

- **COMD 4630 - Neuroscience of Communication**

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(3)

Neuroanatomy and the neurophysiological processes involved in speech, language, swallowing, and hearing. Some sections of this course may be taught hybrid or online

- **COMD 4710 - Primary and Secondary Language Disorders in Children and Adolescents**

(3)

Prerequisites: COMD 4560, 4600. Etiology and differential characteristics of language disorders in children and adolescents; broad overview of principles underlying assessment and treatment of individuals with language disorders. Some sections of this course may be taught hybrid or online.

- **COMD 4720 - Fluency and Speech Sound Disorders**

(3)

Prerequisite: COMD 4610. Phenomenology, etiology, and introduction to assessment of fluency and speech sound disorders. Some sections of this course may be taught hybrid or online.

- **COMD 4730 - Communication Disorders in Voice, Cleft Palate, and Cerebral Palsy**

(3)

Prerequisites: COMD 4620, 4630. Phenomenology, etiology, and introduction to assessment of voice disorders, cleft palate, and cerebral palsy. Some sections of this course may be taught hybrid or online.

- **COMD 4740 - Acquired Speech, Language, Cognitive, and Swallowing Disorders**

(3)

Prerequisites: COMD 4620, COMD 4630. Introduction to acquired speech, language, cognitive, and swallowing disorders. Phenomenology, pathophysiology/etiology, and introduction to assessment and treatment will be covered. Some sections of this course may be taught hybrid or online.

- **COMD 4750 - Cultural/Linguistic Diversity in Communication Disorders**

(3)

Prerequisites: COMD 1700, 4560, 4600. Theoretical considerations and application of current research in cultural/linguistic diversity and communication disorders. Some sections of this course may be taught hybrid or online.

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|--|--|---|--|--|---|
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# University Catalog

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### Communication Disorders (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **COMD 4800 - Research Methods in Communication Disorders**

(3)

Prerequisites: MATH/ECON 1090 and either COMD 4710, 4720, 4730, or 4740. Methods of scientific inquiry in communication disorders including an overview of statistical procedures, basic research design, evaluating clinical data, and critiquing published clinical research. Some sections of this course may be taught hybrid or online.

- **COMD 4900 - Clinical Assistant Practicum in Communication Disorders**

(1)

Prerequisites: At least 15 units of COMD coursework and consent of instructor. Opportunity to become a clinical assistant to a graduate clinician providing treatment to a child or an adult with a communication disorder. May be repeated twice for credit. Graded CR/NC.

- **COMD 4950 - Audiology Assistant Pedagogy**

(3)

Prerequisites: COMD 4200 and acceptance into Audiology Assistant Certificate Program. For students interested in receiving Audiology Assistant/Aide (AA) registration. Practices/procedures relevant to provision of services consistent with scope of practice as an AA. Laws/ethics governing the use of AA's in California. Some sections of this course may be taught hybrid or online.

- **COMD 4955 - Audiology Assistant Practicum**

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(3)

Prerequisites: COMD 4220, grade of B or better in COMD 4950, and no grade less than C in any COMD course. For students interested in receiving knowledge and skills necessary to work as an Audiology Assistant (AA). Experience as an AA in a clinical or school setting under the direction of a licensed audiologist. Graded CR/NC.

- **COMD 4960 - Speech-Language Pathology Assistant (SLPA) Pedagogy**

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(3)

Prerequisites: Thirty units of COMD coursework; no grade less than C in any COMD course. For students interested in receiving SLPA license. Practices/procedures relevant to provision of services consistent with scope of practice as an SLPA. Laws/ethics governing the use of SLPA's in California. Some sections of this course may be taught hybrid or online.

- **COMD 4965 - Speech-Language Pathology Assistant (SLPA) Practicum**

---

(3)

Prerequisites: Grade of B or better in COMD 4960, no grade less than C in any COMD course. For students interested in receiving a license to work as an SLPA. Experience as an SLPA in clinical/public school setting under the direction of credentialed or licensed speech-language pathologist. Eighty (80) hours of practicum required for State license. Graded CR/NC.

- **COMD 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly and final report submitted. May be repeated for credit up to a maximum of 6 units.

- **COMD 5640 - Educational Speech-Language Pathology and Audiology**

---

(3)

Prerequisites: Graduate standing or permission of instructor. Role of the speech-language pathologist and audiologist in the school setting as mandated by special education laws; development of instructional strategies and appropriate procedures for effective service delivery for students with various communication disorders and differences. Some sections of this course may be taught hybrid or online.

- **COMD 5830 - Directed Teaching in Communication Disorders**

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(3)

Prerequisites: B or better in COMD 5810; admission to the credential program; satisfaction of department standards. Supervised practicum in evaluation and treatment of speech, language, and hearing disorders in public school settings. Graded CR/NC. May be repeated for credit up to a maximum of 6 units.

### **Communication Disorders (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department*

and approval of the graduate adviser. Classified graduate standing is required for admission to all 5000-level courses.

- **COMD 5000 - Hearing Aids**

---

(3)

Prerequisites: COMD 4000; COMD 4020; COMD 4200 Electroacoustic characteristics of individual hearing aids and classroom amplification systems; assessment and fitting procedures; spectral analysis of hearing aids; troubleshooting hearing aids; room acoustics; practical experience included.

- **COMD 5010 - Advanced Hearing Aids**

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(3)

Prerequisite: COMD 5000. Advanced amplification devices and fitting procedures; practical experiences in real-ear measurements and programmable hearing aids.

- **COMD 5030 - Diagnostic Audiological Procedures**

---

(3)

Prerequisites: COMD 4000; COMD 4020 Advanced audiological theories, principles, and techniques; bone-conduction, effective masking, and immittance measurements for differentiating conductive from sensorineural hearing losses; laboratory projects included.

- **COMD 5040 - Audiological Psychoacoustics**

---

(3)

Prerequisites: COMD 4000; COMD 4020 Relationships among acoustic stimulus parameters, aural physiological activities, and psychological sensations including loudness, pitch, adaptation, and different limens; laboratory projects with audiometric equipment included.

- **COMD 5050 - Special Auditory Tests**

---

(3)

Prerequisite: COMD 5030. Advanced audiological theories, principles, and techniques; psychoacoustic hearing tests for differentiating cochlear from retrocochlear lesions; practice in administering special tests and interpreting test results.

- **COMD 5070 - Electrophysiological Tests**

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(3)

Prerequisite: COMD 5040. Advanced audiological theories, principles and techniques; physiological tests for measuring brainstem responses to acoustic stimuli; practice with ABR equipment.

- **COMD 5080 - Seminar: Vestibular Function Testing**

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(2)

Advanced audiological principles and techniques in the assessment of vestibular system function; anatomy, physiology, and pathologies of the vestibular system, and current diagnostic test measurement practices; practical experience included

- **COMD 5100 - Seminar: Instrumentation and Hearing Conservation**

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(3)

Prerequisites: COMD 4000; COMD 4020 Audiological instrumentation; calibration standards; calibration instruments and procedures for earphones, bone vibrators, loudspeakers, stimuli, practice calibrating audiometers; State and Federal noise regulations; hearing conservation; reverberation.

- **COMD 5150 - Pediatric Audiology**

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(3)

Principles and techniques of evaluating hearing in the pediatric population; behavioral and electrophysiologic test procedures; hearing disorders unique to children; management of the hearing-impaired child.

- **COMD 5200 - Seminar: Medical Aspects of Audiology**

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(2)

Application of audiology in a medical environment; otologic diagnosis and treatment of diseases of the auditory and vestibular systems; clinical decision processes; medical history taking report writing and counseling aspects.

- **COMD 5300 - Seminar: Current Topics in Audiology**

---

(2)

Prerequisites: COMD 4000; COMD 4020; COMD 4200 Current topics in diagnostic and rehabilitative audiology. Different topics every year. May be repeated to maximum of 6 units.

- **COMD 5410 - Intervention Procedures in Audiology**

---

(3)

Corequisite: COMD 5030. Practice in administering hearing tests, including air conduction, bone conduction, speech, and immittance testing, hearing aid programming and services; interpreting test results, and writing audiological reports before working with patients.

- **COMD 5420 - Clinical Practicum in Audiology - Beginning**

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(1)

Prerequisite or Corequisite: COMD 5410. Supervised beginning level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.

- **COMD 5430 - Clinical Practicum in Audiology - Intermediate**

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(1)

Prerequisite: COMD 5420. Supervised intermediate level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.

- **COMD 5440 - Clinical Practicum in Audiology - Advanced**



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(1)

Prerequisite: COMD 5430. Supervised advanced level clinical experience with hearing impaired children and/or adults. May be repeated once for credit.

- **COMD 5450 - Clinical Externship in Audiology**

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(1,1)

Prerequisite: B or better in COMD 5440. Advanced supervised clinical experience in off-campus sites. May be repeated to maximum of 8 units.

- **COMD 5490 - Central Auditory Processing Disorders (CAPD)**

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(2)

Central auditory processing skills and their relationship to language, learning and behavior. The nature of CAPD and issues in the evaluation, diagnosis and treatment of these disorders.

- **COMD 5500 - Fluency Disorders**

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(3)

Prerequisite: Graduate standing or permission of instructor. Theory, research, and methodology in assessment and treatment of various fluency disorders including stuttering in children and adults.

- **COMD 5510 - Language Disorders in Children**

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(3)

Prerequisite: Graduate standing or permission of instructor. Theory, research, and methodology in assessment of and intervention in various kinds of language disorders in children. Some sections of this course may be taught hybrid or online.

- **COMD 5520 - Voice Disorders**

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(3)

Prerequisite: Graduate standing or permission of instructor. Theory, research, methodology in diagnosis and treatment of various kinds of functional and organic voice disorders.

- **COMD 5530 - Speech Sound Disorders**

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(3)

Prerequisite: Graduate standing or permission of instructor. Theory, research, and methodology in assessing and intervening in various kinds of speech sound disorders.

- **COMD 5540 - Neurolinguistic Disorders in Adults**

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(3)

Prerequisite: Graduate standing or permission of instructor. Etiology, phenomenology, diagnosis, and treatment of neurologically caused language disorders in adults, focusing on aphasia, right hemisphere disorders, traumatic brain

injury, and dementia. Some sections of this course may be taught hybrid or online.

- **COMD 5550 - Motor Speech Disorders**

---

(3)

Prerequisites: Graduate standing or permission of instructor. Etiology, phenomenology, diagnosis, and treatment of neurologically caused motor speech disorders, focusing on dysarthria and apraxia. Some sections of this course may be taught hybrid or online.

- **COMD 5560 - Bilingual Speech-Language Pathology**

---

(3)

Prerequisite: Graduate standing or permission of instructor. Culture and language diversity in individuals with and without communication disorders. Least-biased and evidence-based assessments and interventions. Some sections of this course may be taught hybrid or online.

- **COMD 5570 - Dysphagia**

---

(3)

Prerequisites: Graduate standing or permission of instructor. Evaluation and treatment of swallowing disorders including those associated with neurological and oncological problems in children and adults. Some sections of this course may be taught hybrid or online.

- **COMD 5580 - Colloquium in Evidence-Based Practice**

---

(1)

Prerequisite: Graduate standing or permission of instructor. Review of current evidence-based findings related to the provision of diagnostic and/or therapeutic services to individuals with communication disorders. Graded CR/NC. May be repeated for credit up to a maximum of 6 units.

- **COMD 5610 - Professional and Business Issues in Speech-Language Pathology**

---

(3)

Issues in speech-language pathology clinical management and private practice; review of ethics, service delivery, business plans, personal considerations, physical facilities, human resources, supervision, marketing, billing, contracts, and financial management. Some sections of this course may be taught hybrid or online.

- **COMD 5660 - Medical Speech-Language Pathology**

---

(3)

Prerequisite: Graduate standing or permission of instructor. This course introduces students to medical settings as a prospective work environment. Topics include roles of the SLP in the medical center, record keeping, infection control, outcome measures, and terminology. Some sections of this course may be taught hybrid or online.

- **COMD 5750 - Intervention Procedures in Speech-Language Pathology**

---

(3)

Prerequisites; Graduate standing or permission of instructor. Study of the science of human behavior and how it relates to the therapy process for persons with communication disorders.

- **COMD 5760 - Diagnostic Considerations in Communication Disorders**

---

(3)

Prerequisite: Graduate standing or permission of instructor. Diagnostic theory, principles, and procedures in communication disorders with an emphasis on statistical underpinnings of test design, norms, misuse of tests, test reliability, test validity, standardized test administration, and test score interpretation. Some sections of this course may be taught hybrid or online.

- **COMD 5770 - Evaluation Practicum in Speech-Language Pathology**

---

(1)

Prerequisite: Graduate standing or permission of instructor. Supervised clinical experience in evaluation of individuals with communication disorders. May be repeated once for credit. Graded CR/NC.

- **COMD 5780 - Clinical Practicum in Speech-Language Pathology I**

---

(2)

Prerequisite: Satisfaction of department standards. Supervised clinical experience with children and adults with speech and/or language impairments. May be repeated once for credit.

- **COMD 5790 - Clinical Practicum in Speech-Language Pathology II**

---

(2)

Prerequisites: COMD 5780; satisfaction of department standards. Supervised clinical experience with children and adults with speech and/or language impairments. May be repeated once for credit.

- **COMD 5800 - Clinical Practicum in Speech-Language Pathology III**

---

(2)

Prerequisites: COMD 5790; satisfaction of department standards. Supervised clinical experience with children and adults with speech and/or language impairments. May be repeated once for credit.

- **COMD 5810 - Clinical Practicum in Speech-Language Pathology IV**

---

(2)

Prerequisites: COMD 5800; satisfaction of department standards. Supervised clinical experience with children and adults with speech and/or language impairments. May be repeated once for credit.

- **COMD 5820 - Clinical Externship in Speech Language Pathology**

---

(3)

Prerequisites: B or better in COMD 5810; satisfaction of department standards. Medical-center based externship consisting of assessment and intervention of individuals having impairments in speech, language, hearing, swallowing, and cognition due to various neurological etiologies. Graded CR/NC. May be repeated for credit up to a maximum of 6

units.

- **COMD 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **COMD 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **COMD 5990 - Thesis**

---

(1-3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic before registration. Independent research resulting in a thesis; oral defense of thesis required. May be repeated to maximum of 6 units. Graded CR/NC.

### **Communication (Undergraduate)**

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 4310, 4990

- **COMM 1100 - Oral Communication**

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(3)

Introduction to effective oral communication through study and experience in analysis, synthesis, and presentation of informative and persuasive discourse in a public speaking forum.

#### **C-ID COMM 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **GE A1**

- **COMM 1200 - Argumentation**

---

(3)

Prerequisite: Completion of GE A2. Principles of argumentation: methods of logical analysis to test reasoning and evidence. Practical application through adaptation of rhetorical speech and writing to audiences and situations.

#### **C-ID COMM 120:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way*

*articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE A3**

- **COMM 1510 - Speech Proficiency Assessment for Teachers**

---

(1)

Review of theory and practice of public speaking for classroom teachers. Workshop and assessment of speaking skills. Open only to students currently or previously enrolled in EDCI 300. Graded CR/NC.

- **COMM 1800 - Introduction to Human Communication**

---

(3)

Overview of human communication across contexts. Introduction to Communication as a discipline; survey of areas and methods comprising the field.

- **COMM 2100 - Communication Strategies in Conflict Management**

---

(3)

This course examines the communication theories and strategies underlying the nature of conflict in contemporary society. Provides students with the necessary skills to effectively manage conflict throughout their lives.

**GE E**

- **COMM 2200 - Argumentation and Reasoned Advocacy**

---

(3)

Prerequisites: COMM 1500 and COMM 1760. Principles of reasoned advocacy: practical application of argumentation through creation and adaptation of reasoned appeals to audience situations.

- **COMM 2300 - Interpersonal Communication**

---

3

Introductory study of interpersonal communication; verbal and nonverbal communication in face-to-face interaction; how individuals assume roles as message senders, receivers; interpersonal perception and adaptation; barriers to interpersonal communication.

**C-ID COMM 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **COMM 2400 - Problem Solving through Group Discussion**

---

(3)

Principles of decision-making and interaction in group communication situations, development of discussion, participation, and leadership skills for business, school, and community.

**CI-D COMM 140:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **COMM 2500 - Communication, Identity and Culture**

---

(3)

This course examines the interplay of influences between culture and communication on individual and group identity. This course focuses on developing intercultural communication skills and knowledge of identity.

**GE C2 (d)**

- **COMM 2600 - Forensics**

---

(3)

Introductory tutorial in intercollegiate forensic activities. May be repeated to a maximum of 12 units. Only 6 units of COMM 2600 and COMM 3600 may be used in the Communication major. Graded CR/NC

- **COMM 2700 - Introduction to Oral Interpretation**

---

(3)

Study of communicative dimensions of literature through analysis and performance.

- **COMM 2890 - Introduction to Intercultural Communication**

---

(3)

Course examines theories of intercultural communication, investigates intercultural communication conflict, studies cultural diversity of communication, and seeks to develop an ethical approach to intercultural communication.

- **COMM 2900 - Mediated Communication**

---

(3)

Prerequisite: COMM 1800 or permission of instructor. Introduction to mediated communication technologies, including internet, databases, and emerging technologies. Emphasis on critical, analytical assessment of technologies' effects on intercultural, public and interpersonal communication

- **COMM 3000 - Applied Writing in Communication**

---

(3)

Prerequisites: GE A2 and A3. Open to Communication Studies students only. Writing practicum in historical, critical, and empirical approaches to communication studies; emphasis in language usage in description, exposition, narration, persuasion, and research writing; techniques include observation, editing, and criticism.

**Satisfies University Writing Intensive Requirement (WI)**

- **COMM 3100 - Theories of Communication: Social Sciences**

---

(3)

Examination of theoretical perspectives, principles of theory building, and new developments in communication research, through a social scientific lens.

- **COMM 3200 - Theories of Communication: Humanities**

---

(3)

Theories of communication from the ancient to contemporary era. Study of the nature, function and scope of rhetoric emphasized.

- **COMM 3300 - Methods of Communication: Social Sciences**

---

(3)

Introduction to social science research methods used in the Communication discipline, including both quantitative and qualitative/interpretative approaches.

- **COMM 3400 - Methods of Communication: Humanities**

---

(3)

Nature and function of humanities research methods; survey of approaches, theories, and systems of analysis from classical to contemporary. Practice in critical appraisal of various types of communication.

- **COMM 3420 - Rights and Justice**

**(also listed as POLS 3420)**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Freedom of communication, political rights, diversity and justice: The evolution of these rights in the United States; analysis of contemporary problems, global implications, and potential solutions in our multicultural world. Some sections of the course will be taught online.

**GE UD C; (d)**

- **COMM 3500 - Interviewing**

---

(3)

Dyadic communication in formal and informal settings. Understanding of informative, persuasive, medical, journalistic, legal, and employment interviews.

- **COMM 3600 - Advanced Forensics**

---

(3)

Prerequisite: COMM 2600. Faculty supervised tutorial preparing for University-sponsored speech activities, including

speech and debate tournaments. May be repeated maximum four times. Only 6 units of COMM 2600 and COMM 3600 may be used in the Communication major.

- **COMM 3670 - Performance Studies**

---

(3)

Prerequisite: COMM 2700 or permission of instructor. Performance as a paradigm for understanding text and behavior. Analysis and performance of literature, cultural performance, and performance art included with emphasis on in-class performance and fieldwork.

- **COMM 3720 - Media, Communication and the Environment**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Students analyze persuasive strategies in media and environmental communication campaigns; Social science methods are used to investigate the effects of media and campaigns on perceptions of the environment

**UD Block D**

- **COMM 3835 - Sex and Gender in Language and Literature**

---

**(also listed as ENGL 3835)**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of concepts of sex, gender as experienced in language and literature. Comparative language behavior of women and men as revealed in research on communication and in representative literary works, both classical and modern.

**UD GE C (d)**

- **COMM 3840 - Globalization, Culture and Communication**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critical examination of globalization and its multiple sociocultural dynamics and communication challenges for global citizens. Emphasis on globalizing institutions, transborder flows, international communication, social change, and cultural identities.

**UD GE D (d)**

- **COMM 3850 - Communication of Raced, Classed, and Gendered Identities**

---

(3)

Exploration of the creation, maintenance, and communication of intersecting identities, including race, social class, gender, and sexuality. This course examines how dominant discourses impact identity in local and global contexts.

**GE UD C2 (d)**

- **COMM 3855 - Media Literacy in the 21st Century**

---



(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. History, analysis, and evaluation of technique, content, and effect of media messages. Social scientific perspectives addressing how audiences learn to comprehend media content including efforts to promote media literacy.

**GE UD D**

- **COMM 3890 - Intercultural Communication in Civic Contexts**

---

(3)

Prerequisites: Completion of GE blocks A and B4, an additional course from block B, and at least one course each from blocks C and D. Inquiry into processes, and problems of intercultural communication in multicultural, multiethnic local/global civic contexts. Focus on how gender, race, ethnicity, and socioeconomic status intersect and impact intercultural interaction.

**UD GE D (d) (cl)**

- **COMM 4100 - Introduction to Organizational Communication**

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(3)

Analysis of organizational communication; classical and contemporary theories, practices, and processes in organizational communication. Major communication themes, metaphors, and issues of the contemporary workplace. May include service learning option.

- **COMM 4110 - Dynamics of Organizational Communication**

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(3)

Prerequisite: COMM 3300 How global competition, social phenomena, new philosophies, new technologies, and metaphors for looking at organizations shape the dynamic landscape of organizations and affect the way people communicate and conduct business.

- **COMM 4120 - Business and Professional Communications**

---

(3)

Study and application of theories of communication in business contexts and situations. Topics include: dyadic, group, organizational, public, and mediated communication interactions, interviews, and presentations.

- **COMM 4140 - Communication and Leadership**

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(3)

Prerequisite: COMM 3300 or permission of instructor. Review theories of communication leadership. Emphasis on the study of communication skills central to performing successfully as a leader in a variety of organizational contexts.

- **COMM 4150 - Communication Consulting and Training in Organizations**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, COMM 4100. Application of organizational communication theories and methods for consulting, assessment, training, development, and transformation for non-profit, commercial, and government sectors.

- **COMM 4160 - Intercultural Business Communication**

**(also listed as MKT 4510)**

---

(3)

Analysis of communication issues in an intercultural or global business context; intercultural communication theories; intercultural business negotiations; role of nonverbal communication in doing business effectively. Some sections may be technologically mediated.

- **COMM 4160 - Intercultural Business Communication**

**(also listed as MKT 4510 Intercultural Business Communications)**

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(3)

Analysis of communication issues in an intercultural or global business context; intercultural communication theories; intercultural business negotiations; role of nonverbal communication in doing business effectively. Some sections may be technologically mediated.

- **COMM 4170 - Health Communication**

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(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, COMM 4100. This course introduces students to theories and practices of health communication. Topics include provider-patient communication, social support, uncertainty management, health knowledge and literacy, health communication networks, and health campaigns.

- **COMM 4180 - Internship in Communication Studies**

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(3)

Organizations under academic supervision; emphasis on student intern's ability to diagnose and solve organizational communication problems. May be repeated once for credit.

- **COMM 4190 - Capstone: Organizational and Business Communication Option**

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(3)

Prerequisites: COMM 4100 and one additional course within the option; senior standing. Demonstration of fundamental knowledge of the Communication discipline with a specialization in the option culminating in a thesis on a research theme chosen by the course faculty.

- **COMM 4200 - Human Side of Computers and Information**

---

(3)

Computers and information technology studied as part of the larger culture through critical analyses and focus on the human communications, aesthetic, ethical, pedagogical, social, cultural, cognitive, educational, policy and historical issues involved. (Cross-listed with EDIT 420)

- **COMM 4300 - Mass Communication Theory**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400 Introduction to major theories, with emphasis on the structure, function, and effects of mass communication.

- **COMM 4310 - Principles and Practices of Public Relations**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, 4300. Fundamentals of theory and application for the public relations profession, with emphasis on the dynamics of organizational communication as it pertains to community relations, the media, public opinion, and the political environment.

- **COMM 4320 - Advertising as a Communication Processes**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, COMM 4300. Covers communications theory relevant to advertising, with specific application to the process of creating an advertising campaign.

- **COMM 4330 - Children and Mass Communication**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, COMM 4300. Overview of issues regarding children's reactions to mass media. Educational, frightening, and violent media, computer games, the Internet, and media policy are evaluated through a mass communication theory lens.

- **COMM 4340 - Technology and Human Interaction**

---

(3)

Prerequisite: COMM 2900 or TVF 2200 or permission of instructor. Comparison of new communication technologies with other forms of interaction. Attention given to interactive roles and effects of technologies on interpersonal, public, and intercultural communication.

- **COMM 4350 - Persuasive Communication**

---

(3)

Study and application of rhetorical and social-psychological principles of persuasion. Consideration of attitude change models and behavioral studies of variables affecting persuasion. Opportunity for preparation and criticism of persuasive discourse.

- **COMM 4390 - Capstone: Mass Communication Option**

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(3)

Prerequisite: COMM 4300 and one additional course within the option; senior standing. Demonstration of fundamental knowledge of the Communication discipline with a specialization in Mass Communication culminating in a portfolio project in Public Relations and/or Advertising.

- **COMM 4400 - Foundations: Intersecting Identities and Relationships**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400 This course serves as an introduction to theories, discourses, and research in Communication Studies with an emphasis on Intersecting Identities and Relationships. Topics include identity, intercultural communication, and interpersonal communication.

• **COMM 4410 - Intercultural Communication**

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(3)

Description and analysis of cultural influences on human communication acts; codes and paralinguistic elements; focus on communication between cultures in an urban setting.

• **COMM 4420 - Feminism and Communication**

---

(3)

Prerequisites: COMM 3300, COMM 3670 or permission of instructor. Survey of critical perspectives on gender in communication. Particular attention is paid to social construction of gender and sexuality.

• **COMM 4430 - Relational Communication**

---

(3)

Prerequisite: COMM 2300. Analysis of current theory and research on communication in intimate and personal relationships; how individuals develop and maintain relationships; how gender, culture and social context affect communication in interpersonal interactions.

• **COMM 4440 - Sex Roles in Communication**

---

(3)

Sex as a variable influencing human communication in dyads, small groups, organizations, families; speaker-audience interaction; male-female differences in use of language, and nonverbal behavior.

• **COMM 4450 - Family Communication and Conflict**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400, COMM 4400 This course explores familiar relationships as dynamic, interdependent, potentially constructive and destructive, communicative practices.

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# University Catalog

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### Communication (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 4310, 4990

- **COMM 4490 - Capstone: Intersecting Identities and Relationships Option**
  - (3)
  - Prerequisites: COMM 4400 and one additional course within the option; senior standing. Demonstration of fundamental knowledge in Communication Studies with an emphasis on Intersecting Identities and Relationships, culminating in a thesis on a research theme chosen by course faculty.
- **COMM 4540 - Selected Studies in Communication**
  - (1-3)
  - Prerequisites: Varies with topic; see Schedule of Classes for specific prerequisites. Intensive study of selected topics in communication. May be repeated to a maximum of 12 units for credit as subject matter changes.
- **COMM 4620 - Nonverbal Communication**
  - (3)
  - Body motion, eye and facial behavior, paralanguage, touch, proxemics, physical characteristics, artifacts and environmental factors as they affect communicative exchanges.
- **COMM 4630 - Language and Communication Behavior**

---

(3)

Nature, origin, and use of speech and language in social, cultural, symbolic, and functional contexts; investigation and analysis of discourse and behavioral effects; significance of communication competence.

- **COMM 4780 - Group Communication: Dynamics of Leadership and Participation**

---

(3)

Advanced study of communication processes in small groups and effects of leadership and participation; development of communication sensitivity.

- **COMM 4800 - Advanced Rhetorical Theory**

---

(3)

Prerequisites: COMM 3000, COMM 3100, COMM 3200, COMM 3300, COMM 3400. Advanced survey of theories of rhetoric from classical Greece to the contemporary era. Historical perspectives on communication and social influence; impact of changing political, psychological, sociological, and technological contexts.

- **COMM 4810 - Rhetoric and Social Controversy**

---

(3)

Analysis of rhetorical problems associated with social controversies. The nature, forms, stages and roles of social controversies are examined through the study of rhetorical public discourse in the political process.

- **COMM 4820 - Studies in National and International Public Discourse**

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(3)

Analysis and evaluation of national and/or international discursive rhetoric; some focus on great speeches and speakers; emphasizes diversity of communicative expression in social, political, and cultural movements and campaigns.

- **COMM 4830 - Performance and Social Change**

---

(3)

Prerequisite: COMM 3670. Aesthetic, pedagogical underpinnings of performance and social change. Relationships between performance and liberation in avant garde works and across cultures. Theoretical and pragmatic concerns as these emerge in production.

- **COMM 4840 - Campaign Communication**

---

(3)

Variable content course focusing on contemporary campaigns. Strategies of communication in American political campaigns including public discourse and media coverage. May be repeated to 8 units as content changes.

- **COMM 4850 - Political Communication**

---

(3)

Analysis and evaluation of political communication from the perspectives of contemporary rhetorical theory and cultural theory. Political communication theorized through the analysis of case studies.

- **COMM 4860 - Communication and Cultural Studies**

---

(3)

Prerequisite: Upper division course in Communication Studies. Survey of history, primary texts, and representative studies in cultural studies. Emphasis on cultural studies of media, technology, and communication.

- **COMM 4890 - Capstone: Communication for Social Change Option**

---

(3)

Prerequisites: COMM 4800 and one additional course within the option; senior standing. Demonstration of fundamental knowledge in Communication Studies with an emphasis on communication for social change, culminating in a thesis on a research theme chosen by course faculty.

- **COMM 4910 - Communication Education**

---

(3)

This course will engage principles and theories of communication in educational settings with an emphasis on critical communication pedagogy and interpersonal exchanges in the classroom.

- **COMM 4940 - Communication Behavior in Childhood**

---

(3)

Oral language and communicative behavior in children; studies in speech and language experiences basic to development of communication skills competence.

- **COMM 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated to a maximum of 12 units for credit.

### **Communication (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of a graduate adviser: COMM 4310, 4990*

*Classified graduate standing is required for admission to all 5000-level courses*

- **COMD 5630 - Alternative Communication Modalities**

---

(3)

Prerequisite: Graduate standing or permission of instructor. This course will review the basic aspects of augmentative communication, including aided and unaided symbols, strategies, and techniques. Overview of assessment and intervention principles and procedures will be presented. Some sections of this course may be taught hybrid or online.

- **COMM 5500 - Theories of Communication: Social Sciences**

---

(3)

Introduction to the conceptualization, construction, review, and application of communication theories to prepare students for advanced independent research in the field of communication.

- **COMS 5010 - Seminar: Research Methods in Telecommunications and Film**

---

(3)

Investigation of conceptual and procedural aspects of quantitative and qualitative research techniques relevant to the advanced study of mass media.

- **COMS 5020 - Seminar in Quantitative Communication Research Methods**

---

(3)

Prerequisites: Undergraduate statistics or quantitative research methods course. Quantitative research design and analysis in communication research. Emphasis on research design, sampling, descriptive and inferential statistics in analysis, and presenting findings.

- **COMS 5030 - Seminar in Qualitative Communication Research Methods**

---

(3)

This seminar presents qualitative/interpretive research methodologies used in Communication Studies and prepares students for designing, completing, and evaluating qualitative projects.

- **COMS 5050 - Seminar: Media Theory and Criticism**

---

(3)

Survey of film theory and criticism from the classic theorists and critics to contemporary issues and debates.

- **COMS 5060 - Seminar: Television Studies**

---

(3)

Critical and historical examination of American television focusing on methods and issues relating to scholarship in the field.

- **COMS 5070 - Seminar: Post World War II Film and Television History**

---

(3)

Variable topic seminar on seminal issues in film and television history since World War II. May be repeated to a maximum of 8 units.

- **COMS 5080 - Media Arts, Theatre & Society**

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**(also listed as TVFT 5080)**

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(3)

Historical and current relationship between media arts, theatre and society. Study scholars and practitioners who address questions regarding contemporary roles, potentials and impacts of these arts and professions.

- **COMS 5090 - Entertainment Industry Practices**

**(also listed at TVFT 5090)**

---

(3)

This course acquaints students with the structures of television, film and theatre industries as well as the positions, responsibilities, of those involved in the development and execution of production.

- **COMS 5100 - Seminar: Narrative Studies in Film and Television**

---

(3)

Examination of theories, structures, and procedures of narrative in film and television.

- **COMS 5150 - Seminar: Cultural Studies**

---

(3)

An examination of the history, theories and scholarship of cultural studies, with a particular focus on popular culture as a site of social power dynamics and contestation. May be repeated to a maximum of 8 units.

- **COMS 5200 - Seminar: Documentary Film and Television**

---

(3)

Examination of the theory and practice of documentary as narrative, information, education, catalyst for social maintenance and change.

- **COMS 5300 - Seminar: Organizational Communication**

---

(3)

Contemporary theoretical and methodological issues or constructs in organizational communication. May be repeated to maximum of 8 units with adviser approval.

- **COMS 5310 - Strategic Communication**

---

(3)

Explores public communication in politics, society, and culture, including the relationship between public communication and the media, the nexus between marketing, advertising, public relations, and how technology shapes communication.

- **COMS 5400 - Seminar: Interpersonal Communication**

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(3)

Contemporary theoretical and methodological issues and constructs in interpersonal communication. May be repeated to maximum of 8 units with adviser approval.

- COMS 5500 - Seminar: Communication Theory

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(3)

Examination of theoretical perspectives, principles of theory building, and new developments in communication research. May be repeated to maximum of 8 units with adviser approval.

- COMS 5540 - Selected Topics in Communication Studies

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(3)

Prerequisite: Varies with topic; see Schedule of Classes. Intensive study of selected topics in communication studies. May be repeated for credit as topic changes.

- COMS 5600 - Seminar: Language and Communication Behavior

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(3)

Contemporary theories, research perspectives, and subject areas in language and communication behavior. May be repeated to maximum of 8 units with adviser approval.

- COMS 5620 - Seminar: Theories of Mass Media

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(3)

Research and theory in mass media since television; analysis of media situations, messages and ideological effects. May be repeated once with adviser approval.

- COMS 5640 - Seminar: Adaptation

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(3)

Examination of the process of screen and television adaptation. Study of theories of the cinematic and televisual as pertaining to translations of literary and theatrical narrative, character, and space.

- COMS 5670 - Seminar: Theories, Methods and Practices in Performance Studies

---

(3)

Analysis of main theories of art of interpretation, with special emphasis on their bearing on contemporary theory and practice. May be repeated once for credit with adviser approval.

- COMS 5720 - Seminar: International Public Discourse

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(3)

Intensive study of major international orators, their ideas, style, rhetorical strategies and roles in social and aesthetic movements and in world history. May be repeated once for credit with adviser approval.

- COMS 5730 - Seminar: American Public Address

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(3)

Examination and analysis of speeches and debates about selected major issues in American affairs. May be repeated

once for credit with adviser approval.

- **COMS 5760 - Seminar: Argumentation, Discussion, and Debate**

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(3)

Prerequisite: One upper division course in rhetorical theory. Analysis of significant literature, major trends, and theories of argumentation, discussion, and debate; intensive study of relationship of those areas to each other. May be repeated once for credit with adviser approval.

- **COMS 5800 - Theories of Communication: Humanities**

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(3)

Survey of humanities-based theories in Communication Studies. Analysis and application of humanities theory in social, political, and cultural contexts. Focus on historical developments and contemporary trends.

- **COMS 5810 - Visual Rhetoric**

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(3)

Investigation of image-based modes of rhetorical communication. Theories of visual rhetoric; analysis of issues and implications of images and their interpretations in social, cultural, historical, and political contexts.

- **COMS 5820 - Rhetoric, Citizenship, and Social Change**

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(3)

Examination of rhetorical processes and practices influencing political discourse, civic engagement, and social activism. Emphasis on the function of rhetoric in shaping public attitudes about citizenship, justice, and democratic participation.

- **COMS 5890 - Seminar: Intercultural Communication**

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(3)

Contemporary theories, research perspectives and significant cultural influences relating to communication between cultures. May be repeated once for credit with adviser approval.

- **COMS 5910 - Seminar in Instructional Communication**

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(3)

Theories of instructional communication with an emphasis on instructional communication theories and applying principles of instructional communication in higher education settings.

- **COMS 5960 - Comprehensive Examination**

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(0)

Advancement to candidacy. See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- COMS 5970 - Graduate Studies

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- COMS 5980 - Graduate Directed Study

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated for credit.

- COMS 5990 - Thesis

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(1-3)

Prerequisites: Advancement to candidacy, instructor consent and successful prospectus defense. Independent research resulting in a thesis. May be repeated to maximum of 6 units. Graded CR/NC.

- COMS 9000 - Graduate Studies

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(0)

Prerequisite: COMS 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990), but will use University facilities or consult with faculty.

### Computer Science (Undergraduate)

- CS 1010 - Introduction to Higher Education for Computer Science Majors

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(3)

Skills required for the computing profession; critical thinking and lifelong learning; computer ethics; hands-on projects to explore the computing disciplines; academic success strategies; university structure, resources, policies, procedures; community engagement. Lecture 2 hours; Laboratory 3 hours. Graded ABC/NC.

**GE E; GE cl; IHE**

- CS 1090 - BASIC Programming

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(2)

Prerequisite: One year of high school algebra. Introduction to computer programming using BASIC language. Applications will assume a minimal mathematics background. Does not fulfill mathematics major requirement. Lecture 1 hour, laboratory 3 hours.

- CS 1200 - Living in a Technology-Based World

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**Also listed as CIS 1200**

(3)

Lecture: Living and working with technology and its ethical and societal implications. Understanding technology through knowledge of computing hardware, systems software, applications software, telecommunications, web pages, and APP

development. Laboratory: Creating personal computing and smart-phone multi-media software.

- **CS 1220 - Introduction to Website Development**

---

(3)

Prerequisite: Computer Literacy. Development of client-side web pages using hypertext markup language ([d][x]html), Cascading Style Sheets (CSS). Javascript, and computer graphics and animation software. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

- **CS 1222 - Introduction to Relational Databases**

---

(3)

Prerequisite: Computer literacy. An introduction to relational databases and the SQL; database design using Entity-Relationship, relational, and object-oriented data modeling; database implementation; use of SQL, including selection, join, subquery, aggregation, and transaction. Lecture 2 hours, laboratory 3 hours. Graded ABC/ NC.

- **CS 1550 - Fundamentals for Computer Graphics**

---

(3)

Prerequisite: GE mathematics requirement. Introduction to essential mathematics and implementations for Computer Graphics; mathematics relevant to computer graphics, computer animation, and computer games including: vectors, matrices, transformations, coordinates, projections, interpolations, curves and patches.

- **CS 2010 - Computer Programming Fundamentals**

---

(3)

Prerequisite: Computer Literacy. Basic high level language programming concepts; procedural programming (methods, parameters, return values); basic control structures (sequence, if/else, for loop, while loop); arrays; introduction to defining objects. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

**CI-D COMP 112:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2011 - Introduction to Programming I**

---

(3)

Prerequisite: MATH 1040 or consent of the instructor. Introduction to algorithms; designing, coding, debugging, and documenting programs; implementation of algorithms as structured programs in a high level language; laboratory activities on problem analysis and software development. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

**CI-D COMP 122:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2012 - Introduction to Programming II**

---

(3)

Prerequisite: CS 2011, recommended: MATH 2060. Algorithm development for Object Oriented Programming; inheritance, polymorphism, recursion, GUI basics; designing, coding, and documenting programs; laboratory activities on problem analysis and software development. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

**CI-D COMP 132:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2013 - Programming with Data Structures**

---

(3)

Prerequisite: CS 2012, recommended: MATH 2070. Advanced programming techniques; data structures such as linked lists, stacks, queues, trees, hash tables, skip lists, and graphs; sorting and searching algorithms; basic algorithm analysis; Laboratory activities and software development. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

**CI-D COMP 132:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2148 - Discrete Structures**

---

(3)

Prerequisites: CS 2012, MATH2120. An introduction to discrete mathematics with applications to Computer Science; fundamentals of logic and set theory, counting techniques, relations, induction and recursion; graphs and trees; probability theory. Lecture 3 hours. Graded ABC/NC

**CI-D COMP 152:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2445 - Introduction to Computer Systems**

---

(3)

Prerequisite: CS2011. Introduction to computer organization, Number systems and data representation; internal organization of a computer; primitive instructions and operations; logic gates; Operating Systems and Networks. Lecture 3 hours, Graded ABC/NC.

**CI-D COMP 142:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CS 2540 - Special Topics in Computer Science**

---

(1-3)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Computer Science, as announced in Schedule of Classes. May be repeated to a maximum of 9 units for credit. Graded ABC/NC.

- **CS 2550 - Introduction to Computer Graphics tools**

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(3)

Prerequisite: CS 1550. Introduction to the state of the art computer graphic design software tools used for a variety of applications for graphic communication including web designs and visual effects.

- **CS 3034 - Widely-used Programming Languages**

---

(3)

Prerequisites: CS2013, CS2148; Co-requisite: CS3112. Introduction to the most widely used contemporary programming languages such as C++, JavaScript, and Python. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

- **CS 3035 - Programming Language Paradigms**

---

(3)

Prerequisites: CS2013, CS2148; Co-requisite: CS3112. Capabilities and styles of various programming languages; functional programming; concurrent/reactive programming; constraint (logic) programming; rule-based programming; aspect-oriented programming; domain-specific languages. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

- **CS 3112 - Analysis of Algorithms**

---

(3)

Prerequisites: CS2013, CS2148. Methods for the design and analysis of correct and efficient computer algorithms; applications to classical problems of searching, sorting, graph optimization and combinatorial optimization. Lecture 2 hours, laboratory 3 hour.

- **CS 3186 - Introduction to Automata Theory**

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(3)

Prerequisites: CS 2013, CS2148. Formal approach to automata theory; finite state machines, regular expressions, regular languages, context free languages and Turing machines. Develops mathematical foundation for computer science.

- **CS 3220 - Web and Internet Programming**

---

(3)

Prerequisites: CS 2013. Development of database-driven, multi-tiered, interactive web applications. HTML and CSS; processing HTTP requests and generating HTTP responses; session tracking; database access; web application architectures; server-side and client-side scripting languages. Lecture 2 hours, laboratory 3 hours. Graded ABC/ NC.

- **CS 3337 - Software Engineering**

---

(3)

Prerequisite: CS2013. Methodologies and tools for requirements analysis and design of large complex software system; process models, project planning, tracking, documentation, communication, and quality assurance; group laboratory project; oral and written presentations. Lecture 2 hours, laboratory 3 hours. Graded ABC/NC.

- **CS 3550 - Game Development for Graphic Communications**

---

(3)

Prerequisite: CS 1550. Introduction to the theory and practice of video game design and programming using a high-level drag-drop-style game engine (e.g. the Unity3D Game Engine) and a scripting language (e.g. Javascript).

- **CS 3555 - Mobile Development for Graphic Communications**

---

(3)

Prerequisite: CS 1550. Development of mobile applications on a selected platform such as iOS, Android, or Windows; creating basic and simple applications to demonstrate a majority features of the selected OS.

- **CS 3660 - Complex Social and Economic Systems**

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(3)

Prerequisite: CS2148; corequisite: CS3112. Computational approaches to modeling, simulation, and analysis of complex social and economic systems: statistics (frequentist and Bayesian); game theory, agent-based and stocks and flows modeling; networks; data science. Graded ABC/NC.

- **CS 3801 - Societal and Ethical Issues in Computing**

---

(3)

Prerequisite: CS 2013. Ethical theories (Western, Eastern, Feminist); societal implications of artificial intelligence, data science, social networks, and 3D printing; intellectual property, professional ethical standards, and the relationship between ethics and economics. Lecture 2 hours, laboratory 3 hours. Graded ABC/ NC.

**UD GE C**



## CS 3980 - Cooperative Education

---

(1-3)

Prerequisites: Courses appropriate to the work experience: approval by major department Computer Science coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; Combined units of 3980 and 3990 may not exceed 12. Graded CR/NC

- **CS 4075 - Concurrent and Distributed Programming**

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(3)

Prerequisites: CS3112, CS3035. Parallel programming techniques; abstract models of hardware and operating systems to support parallel programs; multiple models of concurrency; their advantages and disadvantages.

- **CS 4112 - Competitive Programming**

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(3)

Prerequisite: CS 3112. Review of programming and algorithms in preparation for the ACM International Collegiate Programming Contest.

- **CS 4188 - Compilers**

---

(3)

Prerequisites: CS3035, CS 3112, CS3186. Compiler construction; syntax directed compiler study; organization of a compiler and overall design: parsing, semantic analysis, code generation and optimization.

- **CS 4220 - Current Trends in Web Design and Development**

---

(3)

Prerequisites: CS 3112 and CS 3220. Current trends in client-side and server-side web design and development.

- **CS 4222 - Principles of Data Base Systems**

---

(3)

Prerequisites: CS 1222, and 3112. Database system architecture; disk and file management; buffer management; record file structures; database catalog; concurrency control; failure recovery; query processing; indexes; query optimization.

- **CS 4440 - Introduction to Operating Systems**

---

(3)

Prerequisites: CS 2013. Resource, memory and process management; concurrent processing; distributed systems; emphasis on some of the simple algorithms used to solve common problems encountered such as deadlocks, queue service, shared/distributed memory access.

- **CS 4470 - Computer Networking Protocols**

---

(3)

Prerequisite: CS3112. Study of computer network layered architecture and protocols. Topics to be covered include: OPNET, network architecture, data link layer, addressing, LAN, network layer, transport layer and network applications.

- **CS 4471 - Computer Networks Configuration and Management**

---

(3)

Prerequisite: CS 4440. Network topology, architecture, and related software. Topics covered include designing a LAN and an internetwork, developing access lists, configuring routing protocols, customize switch configurations and manage device configurations.

- **CS 4540 - Topics in Advanced Computer Science**

---

(1-3)

Prerequisites: As needed for specific topic. Current topics of special interest to students in computer science, as announced in Schedule of Classes. May be repeated to a maximum of 20 units of credit as topic changes.

- **CS 4550 - Computer Graphics**

---

(3)

Prerequisites: CS 3112, MATH 2550. Programming in object oriented graphics environment implementing primitive operations in two and three dimensions; image modeling using affine transformations; polygonal meshes and other topics. Lecture 2 hours, laboratory 3 hours.

- **CS 4551 - Multimedia Software Systems**

---

(3)

Prerequisite: CS3112. Introduction to multimedia information and processing; topics: basic signal processing, color, space, formations of image, video, and audio data; current standards and the state-of-the-art techniques for multimedia systems.

- **CS 4555 - Introduction to 3D Computer Game Programming**

---

(3)

Prerequisite: CS 3112. 3D game genre and styles; 3D game engines and their components; scripts; GUI; models; textures; sound and music; hands-on experience and rapid development.

- **CS 4556 - Multiplayer Online Game Design and Development**

---

(3)

Prerequisites: CS 3112 and CS 3220. MMORP games from design through development and launch; real-time 3D graphics programming; network programming for multiplayer architecture; other issues related to game development and publishing.

- **CS 4635 - Modeling and Simulation**

---

(3)

Prerequisite: CS 3112 and CS 3660. An examination of the four primary approaches to modeling and simulation; discrete event simulation; agent-based modeling; stock and flows modeling; actor-based modeling.

- **CS 4660 - Artificial Intelligence**

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(3)

Prerequisite: CS 3112. Knowledge representation; problem solving strategies and search algorithms; applications from such areas as theorem proving, expert systems, natural language processing, robotics, and pattern recognition.

- **CS 4661 - Introduction to Data Science**

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(3)

Prerequisite: CS3112 and CS3660. Tools and techniques for extracting information from typically massive amounts of data and then visualizing the results.

- **CS 4780 - Cryptography and Information Security**

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(3)

Prerequisites: CS 3112. Principles and practice of cryptography and information security; basic concepts of cryptology, classical ciphers, modern symmetric ciphers, Advanced Encryption Standard, public key cryptography, data integrity and digital signature schemes.

- **CS 4961 - Software Design Laboratory I**

---

(3)

Prerequisites: Completion of blocks A and B4, an additional course from block B, and at least one course each from blocks C and D. Minimum C grade in all courses listed; CS 3112, CS3220, CS3035, CS3337, CS3186, CS3801. Selection of a design project and develop a software system for a community organization or a corporate partner; determine customer needs; understand software solutions and profession in broader context. Laboratory 6 hours. Graded ABC/NC.

**Meets UD (wi) and (cl) requirement, UD (GE C), UD (GE D)**

- **CS 4962 - Software Design Laboratory II**

---

(3)

Prerequisite: CS 4961. Software design and implementation. Develop a software system for a community organization or a corporate partner; code and test system; Broader understanding of software engineering as well as professional ethics; project report and presentation. Laboratory 6 hours. Graded ABC/NC.

- **CS 4963 - Computer Science Recapitulation**

---

(3)

Prerequisite: MATH2550, PHYS2200; Prerequisite or Corequisite: CS4962, EE3445. A recapitulation of the primary concepts of Computer Science; theory, programming, algorithms and systems; preparation for the Major Field Test.

- **CS 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit to a maximum of 12 units.

## Computer Science (Graduate)

- **CS 5035 - Topics in Functional Programming**

(3)

Prerequisites: CS 3112, CS 3035 and G2 standing or permission from instructor. Evaluating expressions vs. executing statements; functions as first class objects; higher-order functions; currying; partial evaluation; closures; mutable and immutable variables; comprehensions; referential transparency; lazy evaluation.

- **CS 5112 - Design and Analysis of Algorithms**

(3)






Prerequisite: CS 3112 and G2 standing or permission from instructor. Design of complex algorithms. Algorithms for solving frequently occurring problems in computer applications. Computationally intractable problems, heuristics and partial solutions. Optimization techniques. Analysis of algorithms for specific problems of interest.

- **CS 5186 - Theory of Computing**

(3)

Prerequisite: CS 3186. Mathematical models of computation. Recursive function theory and primitive recursion. Computability and logic. Church's Thesis, Wegner's interaction machines, and quantum computation.

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### Computer Science (Graduate)

- **CS 5188 - Languages and Translators**

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(3)  
Prerequisite: CS 4188. Advanced programming language and translator concepts. Language runtime systems such as the Java virtual machine. Term rewriting systems and XSL, Programming language semantics.
  - **CS 5220 - Advanced Topics in Web Programming**

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(3)  
Prerequisite: CS 3220 and G2 standing or permission from instructor. Technologies, architectures, methodologies, design patterns, and frameworks that help create scalable, robust, and maintainable web applications and web services.
  - **CS 5337 - Advanced Software Engineering**

---

(3)  
Prerequisites: CS 3337 and G2 standing or permission from instructor. Software development methodologies; managing software development projects; formal methods for modeling and specification; various designs such as architectural, user-interface, pattern-based, web-app, and mobile-app designs; software testing; other advanced topics.
  - **CS 5390 - Advanced Software Architecture**

---

(3)

Prerequisite: G2 standing or permission from instructor. Design and development of large-scale software systems; integration of legacy systems; multiple architectural views, representation and documentation; software architecture styles; software architecture design; software quality attributes; software architecture evaluation.

- **CS 5440 - Advanced Topics in Operating Systems**

---

(3)

Prerequisite: CS 4440 and G2 standing or permission from instructor. Asynchronous concurrent processes; mutual exclusion and deadlocks; virtual storage organization and management; multiprocessing; auxiliary storage management; distributed operating systems; performance measurement; operating systems security.

- **CS 5470 - Advanced Computer Networks**

---

(3)

Prerequisites: CS 4470 and G2 standing or permission from instructor. A foundational and current view of communication networks; Topics include core protocols for QoS, multicast, wireless network, routing algorithms in wireless ad-hoc networks and network security.

- **CS 5540 - Graduate Topics in Computer Science**

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(3)

Prerequisites: As needed for specific topic. Current topics of special interest to graduate students in computer science, as announced in Schedule of Classes. May be repeated to maximum of 9 units on different topics.

- **CS 5550 - Advanced Computer Graphics**

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(3)

Prerequisites: CS 4550 and G2 standing or permission from instructor. Advance topics in computer graphics. Surfaces, curves, and textures; illumination, shading, shadows and transparency effects; ray tracing and other rendering techniques; color models; animation.

- **CS 5660 - Advanced Topics in Artificial Intelligence**

---

(3)

Prerequisite: CS 4660. Examination of a sub field within artificial intelligence such as natural language processing, expert systems, robotics, data mining, computer vision, speech recognition, intelligent agents or others.

- **CS 5661 - Topics in Data Science**

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(3)

Prerequisites: CS 4661 and G2 standing or permission from instructor. An examination of the primary data science algorithms and tools that implement them.

- **CS 5780 - Advanced Information Security**

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(3)

Prerequisites: 4780 and G2 standing or permission from instructor. Advanced topics in information security. Topics

covered include: IPv6 security; virtual private network; Secure Electronic Transaction (SET); public key infrastructure; Secure Election Protocols (SEP) and advanced digital signatures.

- **CS 5781 - Computer and Network Security**

---

(3)

Prerequisite: CS 4470 or CS 4471 and G2 standing or permission from instructor. Techniques for defending computers and networks; Topics in Computer and Network security; Denial-Of- Service attacks; packet analyzers; host-based intrusion detection and honeypots.

- **CS 5875 - Human Issues in Computing**

---

(3)

Prerequisites: CS 3112. Methods and techniques for maximizing the usability of computer systems and practices User centered design, designing for diverse users, physiological, psychological, and sociological issues. Human factors in software development.

- **CS 5960 - Comprehensive Examination**

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(0)

Permission needed from department. Examination of student's ability to demonstrate mastery of the subject matter. Students should take the comprehensive exam during the quarter, in which they complete all Course work or shortly thereafter. Graded CR/NC.

- **CS 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: instructor consent. Independent investigation and study of an advanced topic in computer science under direct supervision of an instructor. May be repeated to maximum of 9 units.

- **CS 5991 - Thesis or Project I**

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(2)

Prerequisites: Graduate standing. Instructor consent to act as sponsor, department approval of topic prior to registration. Research project conducted in an area of advanced topics in computer science under direct supervision of an instructor. This research project shall be continued in CS5992 Graded CR/NC.

- **CS 5992 - Thesis or Project II**

---

(1)

Prerequisites: CS 5991. Instructor consent to act as sponsor, completion of all other requirements for an MS degree in Computer Science. Continuation of research project conducted in CS 5991. Each student shall orally present his/hers research result in a public forum. Graded CR/NC.

### **Counseling (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and*

- **COUN 2000 - Introduction to Rehabilitation Services**

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(3)

Introduction to the profession of vocational and personal rehabilitation; characteristics of the rehabilitation process; exploration of work settings and unique techniques, including motivational interviewing.

- **COUN 2010 - Foundations of Lifespan Human Development**

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(3)

Theories of human development, including stages of personality, cognitive, career, and social development across the lifespan.

- **COUN 2020 - Integration of Adults with Disabilities in the U.S. Society**

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(3)

An overview of socioeconomic context of disability with emphases on trends and issues related to integration of adults with disabilities into the U.S. mainstream society, facts and myths of the American Dreams for the population and their families.

**GE LD Block D, (d)**

- **COUN 2250 - Diversity and Awareness of Self and Others for Helping Professionals**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of relations and inter-relations between self and others. Introduction to various aspects of human identity related to multiculturalism stemming from exploration of self and others, the complexity of cultural diversity in multi-layered and interactional dynamics.

**GE LD Block D, (d)**

- **COUN 2500 - Introduction to Individual and Group Counseling**

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(3)

Theory and practice of group counseling: processes, leadership, and membership skills; group counseling skills appropriate for school, college, and agency settings; counseling group processes and task group processes.

- **COUN 3010 - Writing for Rehabilitation Services**

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(3)

Prerequisite: ENGL 1020. Reading, writing, and reasoning skills for communicating information in the context of rehabilitation services. Intensive practice in writing in the field. WI. Graded A, B, C/NC.

- **COUN 4000 - Case Management in Rehabilitation Services**

---

(3)

Prerequisite: Completion of all lower division requirements. An overview of a rehabilitation professional's critical role in case management. Case management components include ethics, communication, assessment and service plan



development, service coordination, reporting and documentation, and caseload management.

- **COUN 4001 - Measurement and Analysis in Applied Behavior Analysis**

---

(3)

Behavioral measurement and analysis. Emphasis is on common measurement procedures, development of valid and reliable measures, use of visual inspection and single-case research design to analyze behavioral change.

- **COUN 4002 - Introduction to Applied Behavior Analysis**

---

(3)

Introduction to applied behavior analysis; emphasis on fundamental behavioral processes and applications of behavioral principles toward socially significant behavior change.

- **COUN 4006 - Behavioral Counseling and Self-Management**

---

(3)

Prerequisite: PSY 1500. Application of principles of learning personal counseling and behavioral self-control programs.

- **COUN 4008 - Behavior Management Using Reinforcement in Classrooms**

---

(3)

Prerequisite: PSY 1500. Constructive approaches to classroom management using individual and group reinforcing contingencies for preschool through high school age students.

- **COUN 4009 - Implementation and Evaluation of an Applied Behavior Analysis Intervention**

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(3)

Prerequisites: COUN 4001 and COUN 4002. Designing, implementing, and evaluating behavioral interventions. Emphasis on ethical issues and measurement procedures to establish effective behavior analysis interventions.

- **COUN 4010 - Boots to Books**

---

(3)

Prerequisite: Instructor consent. Exploration of veterans' issues related to transitioning from military to civilian life, including development of skills for psychosocial adjustment, career development, and college survival. Designed for returned military personnel.

- **COUN 4030 - Child Maltreatment and Domestic Violence**

---

**(also listed as PSY 4030)**

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(3)

Prerequisite: PSY 1500. Introduction to child maltreatment and family violence; developmental considerations, victimization, assessment, preventions, interventions, safety plans, legal and ethical issues, roles of helping professionals, research findings and community resources.

- **COUN 4096 - Initial Practicum in Applied Behavior Analysis**

---

(4)

Prerequisites: COUN 4001 and COUN 4002. Completed application, consent of practicum supervisor and faculty advisor. Implementation of behavior analysis services for an average of 24 hours per week under the supervision of a university faculty member and onsite BCBA supervisor. Graded CR/NC.

- **COUN 4097 - Advanced Practicum in Applied Behavior Analysis**

---

(4)

Prerequisites: COUN 4006 and COUN 4009. Completed application, consent of practicum supervisor and faculty advisor. Implementation of behavior analysis services for an average of 24 hours per week under the supervision of a university faculty member and onsite BCBA supervisor. Graded CR/NC.

- **COUN 4110 - Introduction to Mental Health for Counselors**

---

(3)

Overview of mental health conditions including social, psychological, and biological formulations in etiology and treatment of psychiatric diagnoses of children and adults.

- **COUN 4330 - Trauma & Crisis Counseling**

---

(3)

Introduction to theories and practices of trauma counseling, crisis counseling, and mental health including issues related to assessment, diagnosis, and treatment of clients impacted by crises, trauma, and disasters.

- **COUN 4420 - Disability and Function**

---

(3)

Selected facets of medical, developmental, and administrative factors in the rehabilitation process, including medical terminology, specialties in medical practice, and implications for rehabilitation counseling.

- **COUN 4470 - Return to Work**

---

(3)

Prerequisite: COUN 2000: An overview of integrated disability management, including key roles and responsibilities of stakeholders, federal, state and company programs, employment practices, prevention and wellness programs, and administrative case management practices.

- **COUN 4480 - Career Assessment and Development**

---

(3)

Assessment processes involved in career counseling, vocational counseling theories, career development, analysis of occupational information, employment seeking skills and resources, and the assessment of skills and interests.

- **COUN 4490 - Job Development and Placement**

---

(3)

Prerequisites: COUN 2000 and 4480. Methods for identifying, evaluating, and enhancing employment opportunities for people with disabilities; job analysis, employer development, reasonable accommodation, job seeking skills, resources, placement planning, ethics and professional practices.

- **COUN 4500 - Counseling Theories**

---

(3)

Prerequisite: All GE requirements. Theories of counseling appropriate for individual and group work; functions of theory in research and practice including substance abuse counseling; background for subsequent training in group counseling methods and individual counseling.

- **COUN 4600 - Laws Relating to the Child and Family**

---

(3)

Legal and ethical guidelines for counselors, therapists, and child development practitioners; laws related to the family including marriage, divorce, and assessment and reporting of child abuse.

- **COUN 4650 - Addiction Counseling**

---

(3)

Counseling theories of behavioral addictions, chemical dependency, and co-occurring disorders. Study of identification and treatment approaches, intervention modalities, behaviors and consequences, roles of persons and systems for counseling students.

- **COUN 4840 - Conferences with Parents/Primary Caregivers**

---

(3)

Research-based processes that facilitate student academic, emotional and social growth through parental involvement, including family and study rituals, motivation, self-esteem, assisting with homework, monitoring student progress and school-home community partnerships.

- **COUN 4870 - Psychosocial Aspects and Collectivism in Asian and Asian American Societies**

---

(3)

An examination of Asian and Asian American experiences, confronting issues of immigration, racialization, exclusion, social and political activism, assimilation, disabilities, and transnationalism; addresses individualism and collectivism in the 21st century.

- **COUN 4900 - Problems in Guidance**

---

(1-3)

Prerequisite: Instructor consent. Investigation of unique problems in guidance as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **COUN 4940 - Supervised Fieldwork Seminar in Rehabilitation Services**

---

(4)

Prerequisites or co-requisites: COUN 2000, COUN 2010, COUN 4006, COUN 4480. Supervised professional development experience. Enhancement and integration of techniques and skills through weekly seminars. This course may be repeated to a maximum of 8 units.

- **COUN 4940A - Senior Capstone Seminar in Rehabilitation Services**

---

(1)

Prerequisite: GVAR requirement and instructor consent required for enrollment. To be taken during the last semester of the program. Students will use informal and formal writing to critically reflect upon, synthesize, and apply the concepts learned in rehabilitation services, engage in discussions and presentations, and complete student-designed capstone projects. (Graded CR/NC)

**WI**

- **COUN 4950 - Fieldwork in Rehabilitation Services**

---

(3-9)

Prerequisites: Admission to Rehabilitation Services major, consent of field work supervisor; COUN 2000; Pre or Corequisite COUN 4006; COUN 4480; Corequisites: COUN 4940. Field placement arranged congruent with option area selected. Graded CR/NC.

- **COUN 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor and consent of division chair. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit.

### **Counseling (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **COUN 5000 - Lifespan Human Development for Counselors**

---

(3)

Advanced theories of human development, including stages of personality, cognitive, career and social development across the lifespan.

- **COUN 5005 - Individual Counseling Strategies**

---

(4)

Prerequisites: Admission to MS in Counseling program. Introduction to the various theories of counseling. Practical experience with techniques in individual counseling skills that apply to specific settings and are derived from specific theories of counseling.

- COUN 5010 - Experimental Foundations of Applied Behavior Analysis

---

(3)

Overview of major areas of research within the experimental analysis of behavior. Emphasis on the relationship between the experimental analysis of behavior and applied behavior analysis.

- COUN 5012 - Legal and Ethical Issues in Applied Behavior Analysis

---

(3)

Legal and ethical issues pertinent to provide services to special populations and the practice of behavior analysis in human services settings (Graded ABC/NC).

- COUN 5014 - Conceptual Analysis of Behavior

---

(3)

This course provides students with an overview of the theoretical and conceptual foundations of behavior analysis with emphasis placed on Skinner's Radical Behaviorism.

- COUN 5016 - Applied Behavior Analysis

---

(3)

The introduction of applied behavior analysis; applications of behavioral procedures to understand the functions of behavior to implement effective interventions to promote lasting change.

- COUN 5018 - Behavioral Assessment and Interventions

---

(3)

Prerequisite: COUN 5016. Behavioral assessment and intervention model for determining function and treating severe behavior problems; emphasis is on indirect, descriptive, and functional analyses as well as antecedent manipulations, extinction, and differential reinforcement.

- COUN 5020 - Behavioral Consultation

---

(3)

Prerequisite: COUN 5016, or instructor consent. Behavioral research, ethics, and recent developments in behavioral consultation procedures used in school, home and community settings.

- COUN 5022 - Analysis and Applications of Verbal Behavior

---

(3)

Prerequisites: COUN 5016 and COUN 5018. Overview of behavior analytic approaches to verbal behavior. Emphasis on both theory and application.

- **COUN 5024 - School Wide Applied Behavior Analysis**

---

(3)

Prerequisite: COUN 5020. The student will acquire basic knowledge of school wide application of applied behavior analysis including School Wide Positive Behavior Supports, prevention models, and systems analysis. (Graded ABC/NC)

- **COUN 5031 - Fieldwork Experience in Applied Behavior Analysis I**

---

(3)

Prerequisite: COUN 5010, COUN 5012, and COUN 5014. Supervised professional experience in the application of behavior analysis. Application must be filed with division by seventh week of preceding semester. Requires 250 hours of practice. Graded CR/NC.

- **COUN 5033 - Fieldwork Experience in Applied Behavior Analysis II**

---

(3)

Prerequisites: COUN 5010,5012. Intense supervised professional experience in the application of behavior analysis. Application must be filed with division by seventh week of preceding semester. Requires 250 hours of practice supervised by a BCBA. Graded CR/NC.

- **COUN 5035 - Fieldwork Experience in Applied Behavior Analysis III**

---

(3)

Prerequisites: COUN 5016, COUN 5020, and COUN 5018. Intense supervised professional experience in the application of behavior analysis. Application must be filed with division by seventh week of preceding semester. Requires 250 hours of practice supervised by a BCBA. Graded CR/NC.

- **COUN 5100 - Counseling Students in Higher Education**

---

(3)

Characteristics and problems of American college students; impact of college life on individual, psychosocial aspects of student culture and college environment as well as cultural differences.

- **COUN 5103 - Multicultural Counseling**

---

(3)

Prerequisites: COUN 5005. Effect of social environment and cultural group membership on behaviors related to counseling; relationship of social and cultural background to counseling practices; implications of cultural diversity.

- **COUN 5111 - Diagnosis and Treatment in Clinical Counseling**

---

(3)

A review of differential diagnosis of psychiatric disorders from a biopsychosocial perspective. Survey of evidence-based

psychotherapeutic treatments for psychiatric disorders.

- **COUN 5112 - Psychopharmacology for Clinical Counselors**

---

(3)

A survey of evidence-based contemporary pharmacotherapy for psychiatric disorders.

- **COUN 5113 - Case Management in Clinical Counseling**

---

(3)

Prerequisite COUN 4330, COUN 4650. A review of the principles of case management in clinical counseling, and their application to practice in the State of California. Practical application of these principles to clinical vignettes and related case management documentation.

- **COUN 5114 - Advanced Theories and Techniques in Clinical Counseling**

---

(3)

Prerequisite COUN 4330, COUN 4650. Evidence-based psychotherapy approaches will be reviewed and applied to case vignettes, adopting a theoretical framework to inform future psychotherapy practice.

- **COUN 5115 - Couples and Family Counseling**

---

(3)

Prerequisites COUN 4330, COUN 4650. Applying principles of couples and family counseling theories and techniques to working with individuals from a systems perspective in psychotherapy.

- **COUN 5128 - Assessment in Counseling**

---

(3)

Knowledge and skills required to select, administer, score, and interpret psychological tests in counseling.

- **COUN 5129 - Principles of Research and Program Evaluation in Counseling**

---

(3)

Principles, procedures, and ethical considerations underlying collection, analysis, and interpretation of research data. Research methodology, psychometric concepts, development and implementation of program evaluation

- **COUN 5140 - Introduction to Rehabilitation Counseling and Case Management**

---

(3)

Prerequisite: Admission to graduate rehabilitation option. Introduction to the profession of rehabilitation counseling, including study of roles and functions of rehabilitation counselors, and impact of disability. Study of case management and caseload management practices.

- **COUN 5142 - Medical and Psychosocial Aspects of Disability Part A**

---

---

(3)

Research and practical implications for rehabilitation counseling for adults with major physical and mental health conditions leading to disablement; etiology, therapy, and prognosis of rehabilitation.

- **COUN 5143 - Medical and Psychosocial Aspects of Disability Part B**

---

(3)

Research and practical implications for rehabilitation counseling for adults with major physical and mental health conditions leading to disablement; etiology, therapy, and prognosis of rehabilitation.

- **COUN 5149 - Employment and Career Development**

---

(3)

Prerequisites: COUN 5005 and COUN 5140. Theories and practices of employment readiness for individuals with disabilities; job analysis, work evaluation, workplace culture, job placement strategies, employer development, benefits systems, and accommodation.

- **COUN 5150 - Ethical, Legal, and Professional Issues in Counseling - Ethics in Counseling**

---

(3)

Critical review of the ethical, legal, and professional issues in counseling-related professions.

- **COUN 5160 - Group Counseling**

---

(3)

Prerequisites: COUN 5005. Theory and practice of group processes, leadership, membership skills; group skills appropriate to school, college, agency settings; counseling group and guidance group processes; current research in group theory and practice.

- **COUN 5161 - Seminar: Higher Education Counseling**

---

(3)

Prerequisites: Advancement to candidacy in Higher Education Counseling option and instructor consent. Examination and investigation of critical issues in higher education counseling. Seminar reports required.

- **COUN 5187 - Supervised Practicum in Rehabilitation Counseling**

---

(3)

Prerequisites: COUN 5005, consent of instructor, application filed by division deadline. Supervised professional practice. Course requires 100 hours of practice, 40 of which must be in direct contact with clients, the remainder of which is indirect contact. Grade CR/NC only.

- **COUN 5188 - Supervised Internship in Rehabilitation Counseling**

---

(2-8)



Prerequisites: COUN 5005, COUN 5187, consent of instructor, application filed by the division deadline. Supervised professional experience. One unit requires 75 hours of practice. Grade CR/NC only. Must be repeated to total of 8 units.

- **COUN 5189 - Fieldwork in Rehabilitation Transition Settings**

---

(2-3)

Prerequisite: COUN 5005, instructor consent, enrollment in a relevant certificate program. Supervised professional experience in a transition/school to work setting. (Graded CR/NC). May be repeated to a maximum of 4 units.

- **COUN 5200 - Introduction to Family Evaluation and Counseling**

---

(3)

Prerequisites: COUN 5005; Corequisite: COUN 5230. Introduction to major counseling theories and practices for working with relationships in family contexts; focus on methods of initial family assessment and family counseling with individual family members.

- **COUN 5210 - Advanced Family and Marriage Counseling**

---

(3)

Prerequisite: COUN 5200; Corequisite: COUN 5289. Approaches to joint family counseling and marriage counseling within family systems framework.

- **COUN 5220 - Family Counseling with Children**

---

(3)

Prerequisite: COUN 5289 or COUN 5286. Theory and methods of counseling children in families; includes assessment and study of child's role in family structure; applications of verbally- and activity-based therapy.

- **COUN 5230 - Family Counseling Laboratory**

---

(2)

Prerequisites: COUN 5024 Supervised counseling of couples and families utilizing strategies and techniques of systems theory; practical experience designed to enhance students' skills as family counselors. Lecture 1 hour, laboratory 3 hours. May be repeated to maximum of 6 units.

- **COUN 5252 - Counseling and Human Sexuality**

---

(3)

Prerequisites: COUN 4500 or COUN 5005 or COUN 5160 or COUN 5220. Latest developments in theory and research in area of human sexuality as these pertain to role of counselor.

- **COUN 5257 - Career Education and Guidance in Schools**

---

(3)

Career education and guidance covering elementary through high school years. Use of activities, theory, and information in the construction of career education programs.

- **COUN 5281 - Seminar: Leadership in Pupil Personnel Services**

---

(3)

Organization, administration, and evaluation of comprehensive, competency-based pupil personnel programs in Public K-12 schools or Community Colleges. Program development and implementation; collaboration with school administration, other helping professionals and community; child welfare and attendance procedures and laws related to minors.

- **COUN 5286 - Supervised Field Experience in School Counseling**

---

(2-8)

Prerequisite: EDSP 4000 and admission by application filed with division by tenth week of preceding term and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 8 units. One unit of credit equals seventy five (75) hours of supervised field experience.

- **COUN 5286 - Supervised Field Experience in School Counseling**

---

(2-8)

Prerequisite: EDSP 4000 and admission by application filed with division by tenth week of preceding term and approved by adviser and division chair/associate chair. Supervised field experience in school counseling, involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 8 units. One unit of credit equals seventy-five (75) hours of supervised field experience

- **COUN 5287 - Supervised Field Experience in Child Welfare and Attendance**

---

(1-2)

Prerequisite: Admission by application filed with division by tenth week of preceding term and approved by adviser and division chair/associate chair. Supervised field experience in child welfare and attendance involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 2 units. One unit of credit equals seventy five (75) hours of supervised field experience.

- **COUN 5287 - Supervised Field Experience in Child Welfare and Attendance**

---

(1-2)

Prerequisite: Admission by application filed with division by tenth week of preceding term and approved by adviser and division chair/associate chair. Supervised field experience in child welfare and attendance involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 2 units. One unit of credit equals seventy-five (75) hours of supervised field experience.

- **COUN 5289 - Site Practicum in Marriage, Family, and Child Counseling**

---

(1-7)

Prerequisites: Admission by application filed with division by fifth week of preceding quarter. Supervised counseling involving work with individuals, children, couples, and families. Graded CR/NC. May be repeated to maximum of 21 units.

- **COUN 5300 - Theoretical and Developmental Aspects of Behavior**

---

(3)

Prerequisite: COUN 5005, COUN 5220, OR COUN 5230. Corequisite COUN 5210. Admission by application filed with division by 10th week of preceding term. Study of psychological, social and cognitive developmental themes in childhood. Emphasis on issues related to counseling and school psychology.

- **COUN 5307 - Individual Clinical Counseling**

---

(3)

Prerequisites: COUN 5010 and 5005; admission to school psychology or school counseling program or instructor/adviser consent; and evidence of current student liability insurance. Supervised individual personal counseling offered to clients in a school/community setting. . Students implement theory, develop case management strategies, and develop their own counseling behavior. - Graded CR/NC.

- **COUN 5310 - Assessment and Case Study Techniques**

---

(3)

Prerequisite: EDFN 4520; Co-requisite COUN 5311. Administration and interpretation of varied methods of psychological and educational assessment including cognition, perceptual and motor functioning, and social and emotional functioning, with attention to integration of results in case studies.

- **COUN 5311 - Assessment and Case Study Techniques Lab**

---

(1)

Prerequisite: EDFN 4520; Co-requisite COUN 5310. Administration and interpretation of varied methods of psychological and educational assessment including cognition, perceptual and motor functioning, and social and emotional functioning, with attention to integration of results in case studies. (Lab 3 hours).

- **COUN 5320 - Assessment of Disabilities and Evidence-Based Interventions**

---

(4)

Prerequisite: COUN 5310. Methods for identifying low and high incidence disabilities among school-aged children and adolescents. Current issues related to identifying disabilities and planning for evidence-based interventions across the curriculum.

- **COUN 5340 - Assessment of Social, Emotional and Behavioral Disorders**

---

(3)

Prerequisite: COUN 5310. Study and evaluation of current social, emotional, and behavioral disorders, and instruments appropriate for use in assessment and intervention planning, with an emphasis on Emotional Disturbance disability criteria.

- **COUN 5360 - Practicum: School-Based Consultation**

---

(2)

Prerequisites: COUN 5016, COUN 5005. Conceptual basis for school-based consultation including knowledge about preventive approaches applicable for use in school settings. Students will initiate and carry out a consultation role with

assigned teachers.



| Students  | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources   |
|---|--|--|--|--|--|
| <ul style="list-style-type: none"><li>Undocumented Students</li><li>GET</li><li>Organizations</li><li>Disability Services</li><li>Events</li><li>Leadership</li><li>University Times</li><li>Student Government (ASI)</li><li>University Student Union</li><li>Golden Eagle Radio</li></ul> | <ul style="list-style-type: none"><li>Admissions</li><li>CSU Mentor</li><li>Disability Services</li><li>Financial Aid and Scholarships</li><li>Graduate Studies</li><li>Housing Services</li><li>International Office</li><li>Orientation Program</li><li>Outreach and Recruitment</li></ul> | <ul style="list-style-type: none"><li>Center for Effective Teaching and Learning</li><li>Human Resources Mgmt</li><li>Academic Personnel</li></ul> | <ul style="list-style-type: none"><li>Alumni Association</li><li>Charitable Gifts</li><li>Volunteer Opportunities</li><li>Fundraising &amp; Development</li><li>Give to Cal State LA</li></ul> | <ul style="list-style-type: none"><li>Academy of Business</li><li>Leadership</li><li>EPIC</li><li>LACHSA</li><li>Pasadena Bioscience Collaborative</li><li>Pat Brown Institute</li><li>Service Learning</li><li>Stern MASS</li><li>The School of Arts</li><li>Enterprise</li></ul> | <ul style="list-style-type: none"><li>Campus Tours</li><li>Career Center</li><li>Children's Center</li><li>Clery Report</li><li>Health Center</li><li>Housing Services</li><li>Luckman Fine Arts Complex</li><li>Public Safety and Parking</li><li>Title IX</li><li>University Auxiliary Services</li><li>University Bookstore</li><li>University Student Union</li><li>University Tutorial Center</li><li>University Writing Center</li></ul> |



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| <input type="text" value="All prefixes..."/> | <input type="text" value="All types..."/> | <input type="text" value=""/> | <input type="text" value=""/> |

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### Counseling (Graduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **COUN 5370 - Practicum: School Psychology**

(1-2)

Prerequisites: Admission to the School Psychology Program; Certificate of Clearance; Approved School Site; Consent of instructor. Supervised school-based activities providing direct and indirect pupil services. Meets California Commission on Teacher Credentialing standards for School Psychology. May be repeated for up to 4 units. Graded CR/NC.

- **COUN 5380 - Supervised Field Experience in School Psychology**

(2-8)

Prerequisite: Admission by application filed with division by tenth week of preceding term and approved by adviser and division chair/associate chair. Supervised field experience in school psychology involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 16 units. One unit of credit equals seventy-five (75) hours of supervised field experience.

- **COUN 5380 - Supervised Field Experience in School Psychology**

(2-8)

Prerequisite: Admission by application filed with division by tenth week of preceding term and approved by adviser and

division chair/associate chair. Supervised field experience in school psychology involving work with pupils, school personnel, parents, and community agencies. Graded CR/NC. May be repeated to maximum of 16 units. One unit of credit equals seventy-five (75) hours of supervised field experience.

- **COUN 5385 - Seminar: School Psychology**

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(3)

Prerequisite: Instructor consent; corequisite. History and foundations of school psychology. Legal, ethical and professional issues and standards. Roles and functions of the school psychologist.

- **COUN 5900 - Special Topics in Counselor Education**

---

(1-3)

Prerequisite: Consent of division chair. Intensive study of designated problems in counselor education. May be repeated for credit as subject matter changes.

- **COUN 5910 - Research Methods in Single Subject Design**

---

(3)

Prerequisite: Admission to masters program or Certificate in Applied Behavior Analysis program. Knowledge and practical application in analyzing and conducting research utilizing single subject design methodology with emphasis on visual inspection techniques. Application of methodology to field-based, student developed research.

- **COUN 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **COUN 5970 - Graduate Research**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **COUN 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **COUN 5990 - Thesis or Project Planning**

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(2)

Prior to completion, students will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

- COUN 5991 - Thesis or Project

---

(2)

Prior to completion, student will have submitted final draft of thesis or project proposal to thesis committee. Graded CR/NC.

- COUN 6010 - Research Methods in Single Subject Design

---

(3)

Prerequisites: Admission to doctoral program. Knowledge and practical application in analyzing and conducting research utilizing single subject design methodology with emphasis on causal inference. Application of methodology to field-based, student developed research.

### **Criminal Justice (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the school and approval of the graduate adviser: CRIM4990*

- CRIM 1010 - Introduction to Administration of Justice

---

(3)

History and philosophy of law enforcement and administration of justice in America; examination of various agencies, systems, and subsystems; role expectations and their interrelationships; theories of crime, punishment, and rehabilitation; ethics, education, and training for professionalism in the system. May be offered as an online or hybrid course.

#### **C-ID AJ 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- CRIM 1260 - Concepts of Criminal Law

---

(3)

General provisions of criminal law; history and development; elements of a crime, parties to a crime; defenses to criminal culpability; elements of specific crimes; crimes against person, property, public place, and safety. May be offered as an online or hybrid course.

#### **C-ID AJ 120:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CRIM 2010 - Correctional Systems**

---

(3)

Prerequisite: CRIM 1010. Objectives of correctional administration; laws, records, public relations, personnel, and relationships to programs, including custodial and noncustodial interrelationships and divisions; physical plant and security, employment, and care and treatment program. May be offered as an online or hybrid course.

**C-ID AJ 200:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CRIM 2020 - Police and Society**

---

(3)

Prerequisite: CRIM 1010. Historical and modern policing approaches; effect of organizational structure and administrative procedure on the police function; assessment of decision-making processes, police-community relations, and misconduct. May be offered as an online or hybrid course.

- **CRIM 2030 - Judicial Organization**

---

(3)

Prerequisite: CRIM 1010. History, concepts and services related to judicial organization, management and administration; prosecutorial and court functions. May be offered as an online or hybrid course.

- **CRIM 2080 - Introduction to Forensic Science for Criminal Justice Majors**

---

(3)

Prerequisite: CRIM 1010. History, concepts, and services of the forensic sciences to the criminal justice system, including criminalistics, forensic pathology, forensic dentistry, forensic anthropology, and forensic psychiatry. May be offered as an online or hybrid course.

**C-ID AJ 150:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **CRIM 2100 - Multiculturalism and the Criminal Justice System**

---

(3)



Prerequisite: CRIM 1010. Historical and current relevance of race, class, gender, and sexuality to: (1) individuals and communities; (2) the experiences of offenders, victims, and criminal justice personnel; and (3) policy development, power dynamics, and the administration of criminal justice. May be offered as an online or hybrid course.

- **CRIM 3010 - Written Communication in Criminal Justice**

---

(3)

Use of scholarly sources to construct a literature review that evaluates the current state of empirical knowledge specific to a criminal justice topic. Graded ABC/NC. May be offered as an online or hybrid course.

- **CRIM 3030 - Theories and Perspectives in Criminal Justice**

---

(3)

Prerequisite: CRIM 3010. Overview of theories and perspectives on the causes of criminal behavior; issues related to the theoretical explanation of criminal behavior. May be offered as an online or hybrid course.

- **CRIM 3070 - Forensic Mental Health**

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(3)

Prerequisite: CRIM 3010. Nature, prevalence, and impact of mental health disorder among offenders; interrelationships of substance abuse, violence, crime and mental disorder; interventions for mental health disorders within the justice systems. May be offered as an online or hybrid course.

- **CRIM 3090 - Juvenile Justice**

---

(3)

Prerequisite: CRIM 3010. This course provides a historical and contemporary overview of juvenile delinquency, prevention of delinquency, the juvenile justice process, and the effectiveness of juvenile justice interventions. May be offered as an online or hybrid course.

- **CRIM 3100 - Ethics and Professional Responsibility**

---

(3)

Prerequisite: CRIM 3010. Nature and scope of misconduct, special risks and responsibilities, legal and institutional controls, concepts of professionalism, codes of ethics, conflict of interest, and problems in exercise of discretion. May be offered as an online or hybrid course.

- **CRIM 3300 - Criminal Justice Research**

---

(3)

Prerequisites: CRIM 3010. Underlying research concepts, methodologies and techniques appropriate for application in criminal justice environments, including the scientific method, basic research designs and data collection techniques. Special consideration of constraints on research within criminal justice settings. May be offered as an online or hybrid course.

- **CRIM 4010 - Gangs**

---

(3)

Prerequisites: CRIM 3010. This course provides an overview of gangs, outlines perspectives on gangs, describes risk factors of gang membership, details consequences of gang participation, and reviews gang intervention, prevention and suppression strategies. May be offered as an online or hybrid course.

- **CRIM 4020 - Substance Use and Crime**

---

(3)

Prerequisite: CRIM 3010. An overview of alcohol and a variety of illicit substances in their relation to the criminal justice system. Substance-related offences, substance-offenders, and substance-control strategies within the criminal justice system. May be offered as an online or hybrid course.

- **CRIM 4030 - Violence**

---

(3)

Prerequisite: CRIM 3010. Prevalence, frequency and context of bullying, common & aggravated assault, robbery, & homicide; perspectives and risk factors for violence; offender-victim relationships; interventions targeting violence; firearm interventions. May be offered as an online or hybrid course.

- **CRIM 4090 - Applications of Forensic Science**

---

(3)

Prerequisites: BIOL 1100, BIOL 1200 and CHEM 1100, CHEM 1110 or equivalent. Discussion of techniques and concepts in the forensic sciences: the application of scientific methods and techniques to justice systems. Overview of forensic pattern analysis. Quality assurance/control and certification/accreditation guidelines.

- **CRIM 4110 - Interpretation of Evidence in the Courtroom**

---

(3)

Prerequisites: CRIM 2080 and CRIM 3010. Issues affecting the prosecution, plaintiff and defense in determining the outcome of a trial; the role of expert witnesses in presenting the principles of logic and probability. May be offered as an online or hybrid course.

- **CRIM 4120 - Crime Scene Management**

---

(3)

Prerequisites: CRIM 2080 and CRIM 3010. Protection and proper documentation of the crime scene contrasted with the role of the media and other significant factors that often cause conflict. May be offered as an online or hybrid course.

- **CRIM 4140 - Forensic Biology**

---

(3)

Prerequisites: CRIM 4090, BIOL 3400 or equivalent, BIOL 4150 or equivalent statistics course for science majors (for example, BIOL 3000). Fundamentals of forensic biology: crime scene investigation and the documentation, collection, and preservation of biological evidence; case management; identification and individualization of biological samples; interpretation of evidence and courtroom issues.

- **CRIM 4150 - Forensic Chemistry**

---

(3)

Prerequisites: CRIM 4090, CHEM 3500, CHEM 2200, CHEM 2201, CHEM 3200, and CHEM 3201 or equivalent. Qualitative and quantitative methods in the forensic analysis of controlled substances, including wet chemistry and instrumental methods; chemical analysis of physical evidence, including fire scene debris, explosive material and gunshot residue analysis. (Lecture 1 hours, laboratory 2 hours)

- **CRIM 4280 - Contemporary Criminal Procedures**

---

(3)

Prerequisite: CRIM 3010. Rights and procedures associated with investigation, adjudication and sentencing of criminal cases; post-conviction processes; due process clause of Fourteenth Amendment; exclusionary rule. May be offered as an online or hybrid course.

- **CRIM 4450 - Legal Issues for Police Officers**

---

(3)

Prerequisite: CRIM 3010. Focuses on the legal basis for most police actions, its fluidity, and how it has changed recently. Case law will also be reviewed. May be offered as an online or hybrid course.

- **CRIM 4460 - Community Policing and Problem Solving**

---

(3)

Prerequisite: CRIM 3010. Contemporary police problems and new strategies and practices for addressing crime and neighborhood disorder. Emphasis on the history, definition, evaluation, and models of community policing. May be offered as an online or hybrid course.

- **CRIM 4480 - Police and the Media**

---

(3)

Prerequisite: CRIM 3010. Nature of police-media relations; role of public information officers and police use of media; nature and impact of historical and modern constructions of police in news and popular media. May be offered as an online or hybrid course.

- **CRIM 4540 - Special Topics in Criminal Justice**

---

(3)

Prerequisite: CRIM 3010. Current topics of special interest in Criminal Justice as announced in Schedule of Classes. May be repeated to maximum of 15 units of credit as topic changes. May be offered as an online or hybrid course.

- **CRIM 4600 - Hate Crimes**

---

(3)

Prerequisite: CRIM 3010 Nature of hate crimes, including the causes and consequences; effects of hate and prejudice in society; hate crime offenders and victims; responses of communities and criminal justice system.

- **CRIM 4610 - Offender Reentry**

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(3)

Prerequisites: CRIM 3010. Issues and Challenges of offenders returning to society after incarceration. Emphasis on individual and structural solutions and assessment of current approaches towards reentry.

- **CRIM 4700 - Women and Crime**

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(3)

Prerequisite: CRIM 3010. Examines women as offenders, victims, and employees in the criminal justice system through the prism of race, class, and gender. May be offered as an online or hybrid course.

**GE (wi)**

- **CRIM 4830 - Statistics in Criminal Justice**

---

(3)

Prerequisites: CRIM 3010, CRIM 3300. Introduction to data analysis in criminal justice. Focus is on conducting descriptive and inferential statistical analyses and interpreting research findings. Manual and computer based analyses will be conducted. May be offered as an online or hybrid course.

- **CRIM 4910 - Special Problems in Criminal Justice**

---

(3)

Prerequisite: CRIM 3010. This course provides students the opportunity to apply academic knowledge to their criminal justice professional environment. May be offered as an online or hybrid course.

- **CRIM 4920 - Advanced Criminal Justice Theory and Practice**

---

(3)

Prerequisites: Senior standing; successful completion of CRIM 3010, 3030 and 3300. Application of research methods and criminal justice knowledge to develop a research proposal. May be offered as an online or hybrid course.

**(wi)**

- **CRIM 4930 - Civic Engagement in Criminal Justice**

---

(3)

Prerequisite: CRIM 3010. This course provides students with the opportunity to apply the knowledge gained in the classroom in a criminal justice-related field placement. This course may only be repeated twice for a total of 6 units. May be offered as an online or hybrid course.

- **CRIM 4940 - Criminal Justice Leadership**

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(3)

Prerequisite: CRIM 3010. This course focuses on the individual, interpersonal, and structural factors that impact criminal justice leadership and administration. May be offered as an online or hybrid course.

- **CRIM 4950 - Professional Training Portfolio**

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(3)

Prerequisites: CRIM 3010; Must have completed 30 resident units. This course analyzes and evaluates students' criminal justice professional development from a social science framework. May be offered online or hybrid. Six units maximum. Department approval required. Credit/NC

- **CRIM 4960 - Firearms and Toolmark Examination**

---

(3)

Role of firearms examiner in forensic science, including procedures for identifying firearms, toolmarks, and ammunition. Topics include muzzle-to-target distance determination, gunshot residue analysis, firearms nomenclature, comparative microscopy, serial number restoration. (Lecture 4 hours); (Graded ABC/NC).

- **CRIM 4990 - Undergraduate Directed Study**

---

(3)

Prerequisites: CRIM 3010; 2.5 grade point average; ability to assume responsibility for independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 6 units.

#### **Criminal Justice (Graduate)**

- **CRIM 5010 - Seminar: Administration of Justice**

---

(3)

Advanced studies of interrelating component parts of criminal justice system, with particular emphasis on managerial aspects of agencies involved. Maybe offered as an online or hybrid course.

- **CRIM 5100 - Graduate Seminar: Ethical, Managerial and Contemporary Issues in Forensic Science**

---

(1-3)

Examines parameters that affect the quality of scientific results entering the criminal justice system. Discusses validity and reliability and includes presentations by experts on forensic science-related publications and original research.

- **CRIM 5110 - Principles of Research**

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(3)

Prerequisite: CRIM 3300. Methodology, research strategy, question development, and research ethics. Detailed review of methods appropriate for criminal justice. Maybe offered as an online or hybrid course.

- **CRIM 5120 - Quantitative Applications**

---

(3)

Prerequisites: CRIM 5110 and CRIM 4830 (or another upper division undergraduate statistics course). Statistical methods as applied to problems in crime and criminal justice; data description, data analysis, hypothesis testing, and inference using packaged statistical programs. Maybe offered as a hybrid or online course.

- **CRIM 5150 - Research Methods and Statistical Analysis in Forensic Science**

---

(3)

Prerequisite: BIOL 3000 Biostatistics (or equivalent course). Research addressing scientific problems in forensic science, including experimental design, hypotheses, variables. Statistics applied to forensic science data: genetic typing, population genetics, transfer evidence, likelihood ratio, relatedness testing, population databases.

- **CRIM 5200 - Multiculturalism in Criminal Justice**

---

(3)

Prerequisite: CRIM 5010. This course utilizes an intersectional framework to examine the historical and current relevance of race, class, gender, and sexuality to: (1) individuals and communities; (2) the experiences of offenders, victims, and criminal justice personnel; and (3) policy development, power dynamics, and the administration of criminal justice. Maybe offered as an online or hybrid course.

- **CRIM 5300 - Theories and Perspectives in Criminal Justice**

---

(3)

Prerequisite: Admission to the graduate program. Functions of theory building and testing as fundamental parts of scientific method in criminal justice; examination and evaluation of criminological theories. Maybe offered as an online or hybrid course.

- **CRIM 5380 - Seminar: Criminal Justice Problems**

---

(3)

Advanced investigation and reports on selected critical problems in criminal justice; emphasis on scientific method and acquaintance with reliable methods of research. Maybe offered as an online or hybrid course.

- **CRIM 5500 - Crime Scene Reconstruction**

---

(4)

Prerequisite: Instructor consent. Fundamentals of crime scene processing, reconstruction, and report writing. Instruction in pattern analysis typically found at crime scenes, such as blood spatter interpretation, glass fracture and firearms-related reconstructions. Lecture 2 hours, Laboratory 6 hours.

- **CRIM 5520 - Trace Evidence Analysis**

---

(4)

Prerequisite: Instructor consent. Microscopic and chemical methods of analysis of forensic trace evidence; focus includes forensic examination of hair, fibers paint, glass, soil, and crystalline materials. Lecture 2 hours, Laboratory 6 hours.

- **CRIM 5530 - Forensic Serology and DNA Analysis**

---

(4)

Prerequisite: Instructor consent. Forensic serology and current methods of forensic analysis. Emphasis on molecular techniques with introduction to population statistics. Lecture 2 hours, Laboratory 6 hours.

- **CRIM 5570 - Forensic Pathology**

---

(3)

Prerequisite: Instructor consent. Correlation of findings of forensic pathologist and criminalist; identification of human remains; traumatic injuries; evaluation of wounds; time of death; postmortem lividity, algor mortis; recognition of poison deaths.

- **CRIM 5590 - Forensic Microscopy**

---

(4)

Corequisite: Trace Evidence Analysis. Fundamentals of forensic microscopy; emphasis on light microscopy, including polarized light, dark and bright field, fluorescence, and phase contrast illumination; scanning and transmission electron microscopy techniques. Seminar: 2 hours, laboratory: 6 hours.

- **CRIM 5600 - Forensic Toxicology and Controlled Substances Analysis**

---

(4)

Prerequisite: Instructor consent. Identification of drugs and poisons by physical, chemical, and instrumental methods; metabolism, organ distribution, methods of extraction, analysis of toxicity in human tissues; qualitative and quantitative analysis; pharmacodynamics and pharmacokinetics. Seminar: 2 hours, laboratory: 6 hours.

- **CRIM 5620 - Courtroom and Legal Issues in Criminalistics**

---

(3)

Prerequisite: Instructor consent. Legal issues of concern to the forensic scientist: search and seizure, chain of custody, expert testimony and courtroom scientific admissibility of analytical results. Discussion of ethical dilemmas of concern to forensic scientists.

- **CRIM 5630 - Forensic Analysis of Firearms, Toolmarks, and Serial Number Restoration**

---

(3)

Prerequisite: Instructor Consent. Muzzle-to-target distance determination, gunshot residue analysis, comparative microscopy, serial number restoration, history of firearm and ammunition development, classification of firearms and ammunition components, quality assurance, and uncertainty of measurement.

- **CRIM 5640 - Questioned Document and Handwriting Examination**

---

(3)

Prerequisite: Instructor Consent. Elective (Graded AB/NC). Scientific methods of identification and examination of questioned documents and handwriting; detection of forgery, falsification, and counterfeiting; restoration of erasures/obliterations; recognition and selection of standards; examination of computerized documents.

- **CRIM 5900 - Planning and Program Development**

---

(3)

Prerequisite: CRIM 5010, CRIM 5110, CRIM 5120 and CRIM 5300. Review of different planning and evaluation models used in applied research to build programming targeted at specific criminal justice issues and to evaluate their effectiveness. Maybe offered as an online or hybrid course.

- **CRIM 5920 - Criminal Justice Capstone**

---

(3)

Prerequisite: CRIM 5900. This course requires students to apply concepts from CRIM 5900 in a real-world setting in order to produce a capstone project. Maybe offered as an online or hybrid course.

- **CRIM 5950 - Directed Field Work**

---

(1-5)

Prerequisites: School approval, agency acceptance. Supervised individual field experience in an applied area of criminal justice. May be repeated to maximum of 8 units. Graded CR/NC.

- **CRIM 5960 - Graduate Studies**

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See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **CRIM 5970 - Graduate Studies**

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC

- **CRIM 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics covering the criminal justice system; regular conferences with sponsor. May be repeated to maximum of 9 units; maximum of 12 units in combination of CRIM 4990 and 5980 may be applied toward degree.

- **CRIM 5990 - Thesis**

---

(1-3)

Prerequisites: Consent of an approved thesis committee to act as sponsor, completion of appropriate forms, approval of school. Independent research resulting in a thesis. Must be repeated to maximum of 3 units. Graded CR/NC.

- **CRIM 9000 - Graduate Studies**

---

(0)

Prerequisite: CRIM 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.



## **Cultural Diversity (Undergraduate)**

- **CDIV 4810 - Understanding Cultural Diversity within Human Services**

---

(3)

Preparation for culturally competent practice within a wide variety of human services settings in diverse communities; a cultural lens and reflective stance promote exploration of attitudes, values, beliefs and worldview.

- **CDIV 4950 - Practicum: Serving Diverse Communities**

---

(3)

Prerequisites: CDIV 4810 and completion of at least (6) additional units of course work that count toward the CDIV certificate. Hands-on experience in a multicultural human service agency; service-learning focus that provides opportunities to reflect on practicum experiences in order to enhance understandings of theory. Graded CR/NC.

## **Curriculum and Instruction (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser*

- **EDCI 0930 - Development of Study Skills: Reading**

---

(3)

Co-requisite: Enrollment in remedial or first formal English class. Developing reading study skills necessary for academic success at university level. Current general education textbook material used to reinforce college-level reading. Graded CR/NC. May be repeated to maximum of 12 units. No credit toward baccalaureate.

- **EDCI 3700 - From Sails to Satellites: History of STEM Education**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of STEM Education, 400 BC to today's America, focusing on reports and documents that have connected the Science, Technology, Engineering, and Mathematics disciplines and shaped current research/reform efforts.

**GE UD D (wi)**

- **EDCI 4000 - Transformative Teaching in Diverse Urban Classrooms**

---

(3)

Prerequisite for teacher candidates only: Admission to the Charter College of Education. Requires verification of completion of 45 hours of early field experiences in a K-12 public school classroom. Open to all upper division students admitted to the university. Practical, dispositional introduction for developing personal visions as Transformative Educational Leaders. Introduction to laws, and analysis, application and evaluation of strategies to prepare teacher candidates to teach in urban schools. Graded ABC/NC.

- **EDCI 4150 - Teaching For Thinking**

---

(3)

Perspectives and practices to integrate problem-solving, critical thinking, and the development of reflection and self-regulation into all content area course instruction.

- **EDCI 4292 - 21st Century Assessment Strategies and Processes**

---

(3)

Prerequisites: Completion of all requirements for the Developmental Block of the program. Develop, adapt, and manage student-centered assessment strategies based on the needs of diverse students in urban contexts that meet the needs of 21st century classrooms.

- **EDCI 4800 - Teaching Problem Solving with LOGO**

---

(3)

Theory and methods for teaching the programming language LOGO, with emphasis on problem-solving. (Hands-on computer laboratory.)

- **EDEL 4020 - Introduction to Instructional Design, Assessment and Classroom Management Methods**

---

(3)

Prerequisite: Completion of all requirements for admission without conditions to the multiple subject credential program. Exploration of the fundamental principles of instructional design, strategies for addressing learner needs, assessment methodology, and classroom management strategies. 10 hours of classroom observations related to course content are required.

- **EDEL 4151 - Curriculum and Teaching of Reading and Language Arts Fieldwork**

---

(1)

Corequisite: Taken concurrently with EDEL 4150. Supervised application of theory to practice, engaging in systematic analysis of personal teaching performances to develop pedagogical expertise in reading/language arts, understandings of learners and their communities, and professional dispositions. Course instructor will meet with students at school sites.

- **EDEL 4161 - Curriculum and Teaching of Writing and Language Arts Field Lab**

---

(1)

Corequisite: Taken concurrently with EDEL 4160. Supervised application of theory to practice, engaging in systematic analysis of personal teaching performances to develop pedagogical expertise in writing/language arts, understandings of learners and their communities, and professional dispositions. Course instructor will meet with students at school sites.

- **EDEL 4171 - Curriculum and Teaching of Elementary Mathematics Fieldwork**

---

(1)

Corequisite: Taken concurrently with EDEL 4170 Supervised concrete applications and analyses of instructional strategies and practices in mathematics to school age children that normally are not demonstrated in a typical university classroom.

- **EDEL 4181 - Curriculum and Teaching of Elementary School Science Fieldwork**

---

(1)

Corequisite: Taken concurrently with EDEL 4180.

Supervised application of science pedagogical theory to instructional practice in the elementary classroom. Systematic analysis of personal teaching performances to develop pedagogical expertise and understandings of learners and their communities. Course instructor will meet with students at school site.

- **EDEL 4200 - RICA Test Preparation Review**

---

(1)

A review of content and strategies needed to pass California's Reading Instruction Competence Assessment (RICA) for Multiple Subject and Special Education credential students who are required to take the RICA.

- **EDSE 4101 - Intersectional Diversity in Families and Students from Urban Schools**

---

(3)

Prerequisites: Completion of all requirements for formal admission. Exploring implications of planning and management choices on specific student populations, understanding school climate and exploration of understandings of families and students within targeted urban communities.

- **EDSE 4212G - Economics and General Business**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212H - Health and Safety Education**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4455 - Directed Teaching in a Residency Program**

---

(6)

Prerequisites: Completion of all requirements for formal admission to the Residency Pathway of the MA in Education, Option in Secondary Teaching joint MA and credential program and completion of the Introductory Block of the program. Supervised Practicum: co-teaching in a partner school district with a mentor teacher. Must be repeated for a total of 12 units.

- **EDSE 4480 - Instructional Fieldwork Laboratory for Urban Schools**

---

(1)

Prerequisites: Completion of all requirements for formal admission. Laboratory Course gives students an opportunity to be placed into schools for 2 hours per week to explore, examine, implement and practice the technical components for teaching in urban schools.

- **EDSE 4481 - Instructional Fieldwork Laboratory for Urban Schools II**

---

(1)

Prerequisites: Completion of all requirements for formal admission. Laboratory Course gives students an opportunity to be placed into schools for 2 hours per week to explore, examine, implement and practice the technical components for teaching in urban schools.

- **EDSE 4482 - Instructional Fieldwork Laboratory for Urban Schools III**

---

(1)

Prerequisites: Completion of all requirements for formal admission. Completion of Introductory and Foundational blocks. Instructional Laboratory Course gives students an opportunity to be placed into schools for 2 hours per week to explore, examine, implement and practice the technical components for teaching in urban schools.

- **EDSE 4491 - Contextual Fieldwork Laboratory for Transforming Urban Schools II**

---

(1)

Prerequisites: Completion of all requirements for formal admission. Laboratory Course gives students an opportunity to be placed into schools for 2 hours per week examining the contextual features that help teachers explicitly connect theory to practice.

- **EDSE 4492 - Contextual Fieldwork Laboratory for Transforming Urban Schools III**

---

(1)

Prerequisites: Completion of all requirements for formal admission, and Introductory and Foundational Blocks. Contextual laboratory course that places students into secondary schools for 2 hours per week to explore, examine, implement and practice the contextual components for teaching in urban schools.

- **EDSE 4501 - Language and Literacy in Context**

---

(1)

Prerequisite: Successful completion of all requirements for admission to the Single Subject Teaching Credential Program. Teacher candidates document the complex language practices evident in communities they serve and enhance communication skills within distinct cultural and social contexts and analyze how students use language outside school.

### **Curriculum and Instruction (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **EDCI 5020 - Introduction to Science and Mathematics Content Methods**

---

(3)

Prerequisites: Completion of all requirements for admission to the Los Angeles Urban Teacher Residency Program. Introduction to pedagogical and curricular strategies for teaching science and mathematics. Emphasis on differentiating instruction for students with special needs. Verification of early field requirement.

- **EDCI 5030 - Introduction to Schooling in Urban Communities**

(3)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program. Introduction to the history of schooling in urban communities with an emphasis on understanding schooling in local contexts.



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|--|--|--|--|---|---|
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### Course Filter

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### Curriculum and Instruction (Graduate)

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **EDCI 5040 - Theory, Trends, and Practice in School Reform**

(3)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency Credential program and completion of the Pre-Residency Block and Residency I Block and Residency II Block of the program. Examination of school reform with emphasis on theory, practice and the changing role of teachers.

- **EDCI 5110 - Advanced Classroom Assessment in the Urban School**

(3)

Prerequisite: Completion of Residency Block III of the Los Angeles Urban Teacher Residency Credential program. An advanced treatment of the field of classroom assessment emphasizing authentic methodologies focusing on urban classroom settings in context of differentiated instruction, pedagogy and foundations of education.

- **EDCI 5130 - Reading as a Cognitive Process**

(4)

Prerequisites: EDEL 4150 and EDEL 4160 or EDSE 4501 and EDSE 4502 or equivalent or teaching credential.. Advanced study of current issues and programs in reading instruction; application of recent research findings to reading curriculum.

- **EDCI 5200 - Advanced Methods for Teaching Secondary Content**

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(3)

Prerequisites: Consent of Instructor. Advanced analysis and evaluation of instructional strategies, objectives, current methods and curriculum in urban secondary teaching emphasizing current research and materials, assessment, parental and community resources, and digital technologies.

- **EDCI 5201 - Methods for Teaching Mathematics**

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(3)

Prerequisite: Instructor consent. Instructional strategies, objectives, current methods and curriculum in the teaching of mathematics in the urban setting. Includes current research, instructional materials, community resources, and instructional technologies for teaching mathematics.

- **EDCI 5210 - Research in Teaching Reading, Writing, and Related Language Arts**

---

(3)

Prerequisites: EDEL 4150 and EDEL 4160, or EDSE 4501 & EDSE 4502, or EDUR status, and EDFN 5000, or equivalents. Analysis of the PreK-14 reading, writing and related language arts instruction research knowledge base for the enhancement of reading, writing, and related language arts programs

- **EDCI 5220 - Literacy Assessment and Instruction**

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(3)

Prerequisite: EDEL 4150 and 4160 or EDSE 4501 and EDSE 4502 or equivalent or EDUR status or teaching credential. Investigates formal, informal and curriculum-embedded assessments across literacy skill components; instruction in reading, writing and language arts classroom instruction; skills for screening, diagnosis, and intervention of struggling readers and writers.

- **EDCI 5230 - Advanced Writing Assessment and Instruction in Schools**

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(3)

Prerequisite: EDEL 4150 and 4160, or EDSE 4501 & EDSE 4502, or teaching credential, or EDUR status, or equivalent. Analysis of writing development and instruction in PreK - Community College and the use of authentic evaluation procedures. Requires advanced action research project.

- **EDCI 5240 - Advanced Literacy Assessment and Instruction**

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(3)

Prerequisite: EDCI 5220. Advanced diagnosis of struggling readers/writers: advanced study of reading, writing and language arts instruction; diagnosis and instruction of all students, most at-risk of reading/writing failure.

- **EDCI 5250 - Integrated Mathematics and Science Methodological Content Literacy**

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(3)

Prerequisites: Completion of all requirements for the Los Angeles Urban Teacher Residency Program Block I. Examination of implications of the use of integrated models of mathematics and science for student learning in urban

schools.

- **EDCI 5270 - Issues and Trends in the Use of Children's Literature and Digital Technologies**

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(3)

Explore issues and trends in teaching digital/media technologies using children's literature for literature-based instruction.

- **EDCI 5330 - Children's and Adolescents' Reading Materials in Spanish and Other Languages**

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(3)

Prerequisite: Proficiency in Spanish or another language at 300B proficiency level or equivalent. Spanish and multilingual reading materials suitable for development or enrichment of reading/language arts skills at Pre K-12 level in urban classrooms. Fieldwork required.

- **EDCI 5350 - Teaching for Cross-Cultural and Global Awareness**

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(3)

Instructional strategies, materials, resources for examining cross-cultural and global education issues in the classroom.

- **EDCI 5351 - Seminar: Assessment Strategies in Mathematics**

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(3)

Prerequisite: Consent of Instructor. Analysis of and practice in the use of assessment models that focus on mathematical thinking.

- **EDCI 5370 - Teacher Leadership in the Urban School: Issues, Trends, and New Directions**

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(3)

This course prepares teachers to examine and execute leadership roles in educational institutions. It includes instructional leadership, implementing Action Research in leadership and school change, and National Board Certification.

- **EDCI 5400 - Reading and Writing Clinical Practicum**

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(3)

Prerequisites EDCI 5220, or instructor consent. Supervised experience in small-group reading and writing remediation with PreK-community college students, ELLs, covering all ranges of skills/abilities.

- **EDCI 5410 - Field Work in Reading, Writing and Related Language Arts**

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(3)

Prerequisites: EDCI 5400, and instructor consent. Supervised field experience in organization, administration, and supervision of district/school level reading, writing and /related language arts programs. This course requires service



learning.

- **EDCI 5420 - Interdisciplinary Creative and Reflective Methods for Teaching and Learning**

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(3)

Introduction to theories, practices and models of creative and reflective methods such as educational drama, story and oral history as essential to transformative and constructivist pedagogy in educational settings. Lecture 2 hours, activity 1 hour.

- **EDCI 5490 - Developing English Reading/Language Arts Skills in Bilingual/Cross-Cultural Individuals**

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(3)

Analysis of research, curriculum design and selection of materials and strategies for the development of English reading/language arts skills for the culturally/linguistically diverse PreK-14 student.

- **EDCI 5502 - Advanced Fieldwork in Curriculum and Instruction in the Classroom**

---

(1)

Prerequisite: Level I credential, enrollment in an induction or a Master of Arts degree in Education program. This is an advanced fieldwork course in curriculum and instruction. It is designed to support and assess beginning teachers' skills and knowledge necessary to be effective practitioners and to become knowledgeable about California teaching standards and frameworks. Course includes field experiences in the classroom. Graded CR/NC.

- **EDCI 5510 - Reflection, Synthesis, Assessment: Induction Portfolio**

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(1)

Prerequisites: Level I teaching credential and teaching experience; Corequisite: EDCI 596. This is a capstone course designed for teachers pursuing a Level II Multiple Subject or Single Subject credential. Teachers demonstrate evidence of knowledge and skills of advanced coursework and teaching experience reflective of present competence and assessment of professional and academic growth achieved during the program. Graded CR/NC.

- **EDCI 5540 - Research and Methods for Teaching in Bilingual/Cross-Cultural Classrooms**

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(3)

Prerequisites: Graduate Status, Teaching Credential, TESL 5600 or consent of instructor. Exploration and application of research-based pedagogy in programs for English learners in bilingual/cross-cultural and dual language classrooms. Includes focus on SDAIE and assessment. Fieldwork required.

- **EDCI 5560 - Inquiry into Methods of Teaching Academic Literacy in the Target Language**

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(3)

Prerequisite: Target language fluency at the 3000 level and graduate status or consent of instructor. Curriculum, research and pedagogy in literacy in the target language grades K-12, for speakers of that language or for speakers

English in bilingual programs. Instruction partly in the target language. Fieldwork is required.

- **EDCI 5570 - Research and Pedagogy for the Bilingual Learner: Exploring Cultural Impact**

**(also listed as CHS 5570/AAAS 4500)**

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(3)

Prerequisite: Teaching credential, graduate status or consent of instructor. Traditions, roles, status, communication patterns of culture as experienced in specified country(ies) and the U.S. Cross-/inter-/intra-cultural relationships/interactions and cultural contributions in California and the U.S. [i.e. Chicano/Latino; Chinese/Chinese American]. Fieldwork is required. Course conducted bilingually in target language and English.

- **EDCI 5580 - Reflection, Synthesis, and Assessment: Bilingual Authorization Portfolio**

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(1)

Prerequisites: Admission restricted to Bilingual Authorization Certificate Candidates. Teaching credential and teaching experience. This is a capstone course designed for candidates pursuing Bilingual Authorization Certificate. Candidates demonstrate evidence of knowledge and skills of advanced coursework and bilingual teaching experience reflective of professional and academic growth achieved during the program. Graded CR/NC. Fieldwork required.

- **EDCI 5600 - Principles and Practices of Curriculum in Urban Schools**

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(3)

Curricular trends in historical perspective; sociological change, research in child growth and development, basic philosophies. Objectives, practices, materials, evaluation in curriculum development process including school reform and transformation.

- **EDCI 5700 - Introduction to Action Research for Classroom Teachers**

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(1)

Prerequisite: Completion of all requirements for formal admission to the MA in Education. Course explores the role of teacher research in urban classrooms. Focus is on the development of topics and research questions.

- **EDCI 5710 - Research Seminar I**

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(3)

Prerequisites: Completion of all requirements for formal admission to the MA in Education: Option in Secondary Teaching Program; student must be advanced to candidacy. Practicum with faculty where students construct a research project guided by faculty and peers. Preparation includes elements of proposing and conducting research, faculty and student examination of research process.

- **EDCI 5711 - Research Seminar II**

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(3)

Prerequisites: Student must be advanced to candidacy. Must be taken concurrently with EDSE 5990. Practicum with faculty where students construct a research project guided by faculty. Practicum includes elements of proposing and conducting research, faculty and student examination of research process. Students will conclude the class with a Thesis proposal defense.

- **EDCI 5712 - Research Seminar III**

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(3)

Prerequisite: Student must be advanced to candidacy. Practicum with Faculty where students construct a research project guided by faculty and peers. Preparation includes elements of finalizing and presenting action research. Students may conclude the class with a Thesis/Project defense.

- **EDCI 5830 - Application of Hypermedia in Instruction**

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(3)

Prerequisites: EDIT 4300, teaching credential. Hands-on instruction in uses of hypermedia for teaching in K-12 schools; strategies for use of hypermedia by both teachers and students to enhance instruction.

- **EDCI 5840 - Learning Theories and Cognitive Science in Math Education**

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(3)

Survey and analysis of theories and research in cognitive science and learning theories in mathematics education: cognitive technologies, students' systematic errors, gender and cultural issues.

- **EDCI 5850 - Characteristics of Social Change in Urban Schools**

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(3)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency credential program and completion of the pre-residency block of the program. Exploration of the connections between the role of research, the theories of social and cultural foundations of education, and practical realities of social change in local communities.

- **EDCI 5960 - Comprehensive Examination**

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(0)

Prerequisite: Advancement to candidacy and written approval of program coordinator. See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **EDCI 5990 - Thesis or Project Planning**

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(2)

Prerequisites: EDFN 5000 or EDFN 5050 or EDFN 4520, advancement to candidacy, and written approval of thesis or project chair. Student will complete thesis/project proposal draft, select a thesis/project committee, submit a final draft of the proposal to the committee, and submit all required paperwork, including IRB application, if applicable. Graded

- **EDCI 5991 - Thesis or Project**

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(2)

Prerequisites: EDCI 5990 and written approval of thesis/project chair. Completion of thesis or project or substantial progress toward completion under direct supervision of thesis or project committee. Graded CR/NC; repeatable up to four units.

- **EDEL 9000 - Graduate Studies**

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(0)

Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

- **EDSE 5000 - Transformative Classroom Instruction and Management**

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(3)

This course serves as an introduction to the areas of instructional design, classroom assessment and management, with an emphasis on the practical aspects of creating the transformative single subject classroom.

- **EDSE 5002 - Advanced Secondary Instructional & Management Strategies**

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(3)

Prerequisites: Completion of all requirements for formal admission to program and completion of introductory and developmental blocks. Implications of the use of pedagogical, instructional, and management models for student learning and understanding of strategies for differentiation of instructions.

- **EDSE 5101 - Research on Characteristics and Needs of Urban Secondary Schools, Families, and Students**

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(3)

Prerequisites: Completion of all requirements for formal admission. Exploring implications of planning and management choices on specific student populations, understanding school climate and exploration of understandings of families and students within targeted urban communities.

- **EDSE 5490 - Contextual Fieldwork Laboratory for Transforming Urban Schools**

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(1)

Prerequisites: Completion of all requirements for formal admission. Laboratory Course gives students an opportunity to be placed into schools for 2 hours per week examining the contextual features that help teachers explicitly connect theory to practice.

- **EDSE 5960 - Graduate Studies**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **EDSE 9000 - Graduate Studies**

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(0)

Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Curriculum and Instruction (Doctoral)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **EDCI 6350 - Teachers, Leadership, and Power in Urban Schools**

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(3)

Prerequisite: Admission to Doctoral Program. Analysis of research, policy, and practice on teacher leadership in instruction and school culture; barriers created by school structures and teaching culture; teacher leadership impact on school reform, student outcomes. Graded ABCDF or Credit /No Credit.

- **EDCI 6600 - Teaching and Learning in Diverse Urban Settings: Equity, Access, and Achievement**

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(3)

Prerequisite: Admission into doctoral program. Historical, political, and sociohistorical, perspectives of curriculum theory and its relationship to schooling; curricular foundations of instructional leadership for equity in urban schools; curriculum as context for teaching and learning.

- **EDCI 6620 - Culturally Sensitive Pedagogy in Early Childhood Settings**

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(2)

Prerequisite: Admission into Doctoral Program or consent of instructor and program director. Leadership issues in culturally relevant and responsive pedagogy; leading culturally sensitive instructional strategies to engage families, (parents, caregivers) and community members as active partners in early childhood education.

- **EDCI 6640 - Policies and Practices in Early Childhood Education**

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(2)

Prerequisite: Admission into Doctoral Program or consent of instructor and program director. The role of early childhood education in urban communities; early childhood organizational structures and schooling practices; local, state, and national policies and policy implementation for early childhood education.

- **EDCI 6703 - Leadership for Curriculum, Assessment, and Accreditation in Colleges**

## and Universities

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(3)

Prerequisite: Admission into the Ed.D. program in Educational Leadership. Curriculum history in higher education; research, models, and leadership practices for successful curriculum change, assessment, and accreditation in urban colleges and universities; faculty, administrative, student and community roles in curriculum decision-making.

- **EDCI 6750 - Advanced Pedagogical Strategies for Achieving Equity**

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(3)

Prerequisite: Admission to Doctoral Program. Cultural competence necessary to promote instructional, policies and practices that value difference and ensure equity in effective organizations; advanced instructional strategies that stimulate cognitive and academic development of diverse students.

- **EDCI 6770 - Leadership in Curriculum and Assessment for Linguistically and Culturally Diverse Urban Students**

---

(3)

Prerequisite: Admission into Doctoral Program. Theories/practices of curriculum and assessment; curriculum contexts, change, continuity, articulation, and censorship; cutting edge content trends; resource optimization for transforming curriculum; constructing evidence-based decision-making cultures that improve student outcomes. Graded ABCDF or Credit /No Credit.

- **EDIT 8100 - Mobile Learning in 21st Century Digital Classrooms**

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(3)

This is an e-learning course designed to introduce and demonstrate the implementation of mobile learning with interactive activities and locally relevant classroom examples. The course helps teachers transition to mobile learning with background research, planning strategies, and suggested technology apps and online tools.

- **EDIT 8110 - Creative Practices in 21st Century Digital Classrooms**

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(3)

This is an e-learning course for teachers that explains and demonstrates the implementation of creative thinking skills through a personalized, mobile learning environment. The course helps teachers transition to a personalized learning environment with background research, planning strategies, and suggested technology apps and online tools. It offers suggestions for assessing student learning with mobile devices and for managing a mobile learning environment.

- **EDIT 8120 - Collaborative Practices in Digital Classrooms**

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(3)

In this course, teachers develop an understanding of how collaboration helps students develop 21st century thinking skills, deepen content understanding, and prepare them for the global world. Teachers learn how to plan and manage collaborative activities that integrate online tools, which are increasingly part of our globally connected workplaces. Direct connections to Common Core Standards (CCSS) are provided throughout the course and within the final project.

- **EDIT 8130 - Critical Thinking Using Data and Information**

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(3)

In this course, teachers explore practical skills and strategies to draw on when teaching students to think critically about the information around them. Teachers will understand how to design student projects and assessments that address critical thinking skills when collecting and analyzing data. Additionally, they will see how technology can support students' collection, organization, and presentation of data. The course also offers practical tips for implementing projects that ask students to think critically with data.

- **EDIT 8140 - Inquiry Teaching in the Science Classrooms and Beyond**

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(3)

In this course, teachers will build a foundation for scientific inquiry. They will explore the rationale and research basis, common misconceptions, and specific strategies for incorporating scientific inquiry into science learning, regardless of the science discipline. The course explains and demonstrates the Scientific Inquiry Phases with relevant classroom examples. In addition, teachers will learn best practices for improving scientific inquiry through interactive activities.

- **EDIT 8150 - Assessment Practices in 21st Century Digital Classrooms**

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(3)

In this course, teachers will develop an understanding of how assessment strategies can benefit their teaching practices and their students' learning. They learn how to plan, develop, and manage student-centered assessments. The course offers opportunities to apply assessment concepts with action planning exercises.

- **EDIT 8160 - How to Design Blended Learning**

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(3)

In this course, teachers learn how to create blended learning experiences for their students and what to address when designing these experiences. They will also learn strategies for assessing students and managing a blended learning classroom. Direct connections to Common Core State Standards are provided throughout the course and within the final project.

- **EDIT 8170 - Project-Based Learning Approaches in Digital Classrooms**

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(3)

This course explores the features and benefits of project-based learning with classroom scenarios that help teachers to engage students with self-directed learning. Throughout the course, teachers consider their own teaching practices as they follow a teacher new to technology-based project-based learning who discusses strategies with a mentor teacher. They also consider the ways that technology supports project-based approaches. Planning and project design modules guide teachers through organizing the curriculum, the classroom, technology, and students for successful 21st century projects.

- **EDIT 8180 - Becoming Educational Leaders in 21st Century Digital Classrooms**

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(3)

Teachers review best practices, examine leadership behaviors, and develop strategies to better support fellow teachers and other colleagues. Teachers follow other teachers, specialists, administrators, etc. who work together to better use technology to support teachers and improve student achievement. Participants discuss ideas and strategies with other leaders in the course and apply them to their own practice.

## Dance (Undergraduate)

- **DANC 1000 - Beginning Ballet**

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(2)

Students develop technical skills at the beginning ballet level and increase technical proficiency in ballet vocabulary and knowledge of historical developments. May repeat to 6 units.

- **DANC 1200 - Beginning Jazz Dance**

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(2)

Activities designed to develop beginning skills in jazz dance accompanied by background information relevant to the dance form. May be repeated to maximum of 6 units.

- **DANC 1400 - Contemporary Dance**

---

(2)

Introduction to contemporary dance with a focus on alignment, flexibility, strength, the fundamentals of dance vocabulary and the connection between movement, thought and emotion. May be repeated up to 6 units.

- **DANC 1570 - Cross-Cultural Themes in Dance**

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(3)

Analyzing developments in dance and cultivating imagination and sensitivity to cross-cultural themes in human behavior. Understanding ongoing cultural dance traditions. Lecture 3 hours; activity 1 hour.

**GE C2**

- **DANC 1600 - Beginning Tap Dance**

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(1)

Activities designed to develop beginning skills in tap accompanied by background information relevant to the dance form. May be repeated to maximum of 6 units.

- **DANC 2000 - Intermediate Ballet**

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(2)

Prerequisite: DANC 1000 , or instructor consent. Students develop skills at the intermediate level of ballet, learning vocabulary, relevant theoretical considerations, and the historical foundations of ballet aesthetics. May be repeated to maximum of 6 units.

- **DANC 2200 - Intermediate Jazz Dance**

---

(2)

Prerequisite: DANC 1200 or instructor consent. Activities designed to develop intermediate skills in jazz dance accompanied by background information relevant to the dance form. May be repeated to maximum of 6 units.



- **DANC 2400 - Intermediate Contemporary Dance**

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(2)

Prerequisite: DANC 1400, or instructor consent. Continuation of development of technique focusing on alignment, flexibility, strength and introduction to more advanced movement vocabulary, including release technique and improvisation. May repeat to maximum of 6 units.

- **DANC 2500 - African Dance Traditions**

---

(2)

This course is designed to teach fundamental African dance techniques while providing an examination of cultural traditions and an introduction to understanding differences between West, East, North and South African dances. May be repeated 3 times.

- **DANC 2540L - Special Topics in Dance**

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(1-3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

- **DANC 2540P - Special Topics in Dance**

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(1-3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to maximum of 12 units as subject matter changes.

- **DANC 2560 - Salsa and Contemporary Latin American Dance Practices**

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(1)

Introduction to dance practices of Contemporary Latin America including Salsa, Rueda Casino, Chachacha, Cumbia, and Merengue. Includes basic movement skills and understanding of improvisational and choreographic processes used.

- **DANC 2700 - Choreography I**

---

(2)

Prerequisites: DANC 1400; DANC 1000, or instructor consent. Improvisational techniques utilizing dance movements to develop individual/group sensitivities, concentration and discoveries to begin the forming process used in creating dances. May be repeated to maximum of 6 units.

- **DANC 3000 - Advanced Ballet**

---

(1)

Prerequisite: DANC 2000 or instructor consent. Continued development of technical skills, choreographic combinations, knowledge of history and styles: Italian, Russian, French, English, Danish, American. May repeat to maximum of 12 units.

- **DANC 3200 - Advanced Jazz Dance**

---

(2)

Prerequisite: DANC 2200 or instructor consent. Expanded development of skills, knowledge, analysis ability, and study of application of elements of jazz dance in solo and group work. May be repeated to maximum of 6 units.

- **DANC 3400 - Advanced Contemporary Dance**

---

(3)

Prerequisite: DANC 2400, or instructor consent. Building on the vocabularies and technique introduced in Intermediate Contemporary Dance, this course introduces new shapes, movements and movement vocabularies essential to the contemporary dancer in the professional field. May be repeated to maximum of 9 units.

- **DANC 3500 - Contemporary African Dance**

---

(3)

Prerequisite: DANC 1400, or instructor consent. Designed for students with some prior dance experience, this class advances student knowledge of African technique and performance through an examination of contemporary and cultural Africanist traditions. May be repeated to a maximum of 6 units.

- **DANC 3700 - Choreography II**

---

(3)

Prerequisite: DANC 2700; or instructor consent. Principles of dance composition through individual experiences with varied stimuli, differing construction processes, simple musical forms. May be repeated to maximum of 9 units.

- **DANC 4000 - Creative Dance in the Elementary Classroom**

---

(3)

Exploration/integration of artistic perception, creative expression, historical/cultural contexts, aesthetic valuing as components of teaching/learning through dance. Meets 4 hours weekly.

- **DANC 4010 - Dance Techniques and Creativity in Elementary Education**

---

(3)

Prerequisite: DANC 4000. Ballet basics, modern dance technique, improvisation and creative problem solving for the elementary educator. Viewing and critical analysis of dance.

- **DANC 4100 - Performance Participation**

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(1-2)

Prerequisite: Instructor consent required. Detailed work as a performer on a major dance production with rehearsal and performance requirements. Enrollment required for performance participation. Meets more than 6 hours each week. May be repeated to maximum of 12 units.

- **DANC 4200 - Dance History - Antiquity Through Nineteenth Century**

---

(3)

Corequisite: TAD 3900. Surveys dance as embodied histories and aesthetics, examining dance practices up to the nineteenth century, and observing major developments in Western, Asian, African, and North American theatrical and ritual traditions.

- **DANC 4210 - Embodied Histories: Dance in the Twentieth and Twenty-First Century**

---

(3)

Surveys contemporary dance history, examining major developments, and theories of the body, and global influences in contemporary dance. Approaches aesthetics and analysis in the context of orientalist, modernist, and other movements.

- **DANC 4300 - Choreographic Accompaniment**

---

(3)

Prerequisite: Upper-Division standing or graduate student. Elements of musical composition are studied as related to dance form, rhythm, mood and texture. Analysis provides the choreographer or dancer with necessary tools and techniques to choose choreographic accompaniment.

- **DANC 4350 - Dance Movement and Identity**

---

(3)

Prerequisite: DANC 1570, DANC 4000 or instructor consent. Theoretical framework, conceptual development and practice of using dance to promote awareness, insight and growth, allowing for integration of cognitive, emotional and physical functions. Lecture 2 hours, activity 2 hours.

- **DANC 4400 - Theory and Analysis of Dance**

---

(3)

Prerequisite: DANC 4210 or graduate standing. Students respond to, analyze, articulate, and make judgments about dance, as well as develop skills in theory and analysis as it relates to their performing careers, teaching, and related fields.

- **DANC 4540L - Special Topics in Dance**

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(1-3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

- **DANC 4540P - Special Topics in Dance**

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(1-3)

Current topics of special interest in dance, as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

- **DANC 4600 - Contact Improvisation**

---

(3)

Prerequisites: Senior standing or Instructor consent. An improvisational exploration of dance that focuses on the interaction of bodies moving in space, sharing weight, using gravity, resistance, momentum and plunging into the spontaneous responses of kinetic energy. May be repeated a maximum of 6 units.

- **DANC 4700 - Experimental Dance**

---

(3)

Prerequisites: Senior standing and instructor consent. A culminating course that combines dance, theatre and visual arts, focusing on student-generated original works utilizing skills developed in Viewpoints, Contact Improvisation, Voice, and technique, theory and choreography classes.

- **DANC 4770 - Moving Cultures: World Dance**

---

(3)

Dance provides approaches toward instruction, analysis and performance in a variety of world traditions from Africa, North America, Asia, and South America. Learners engage in dance movement, videos, readings.

- **DANC 4780 - Choreography for Camera**

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(2)

Prerequisite or corequisite: DANC 4720; TVF 2010 recommended. Investigation and application of choreographic principles appropriate to television and/or cinema. Lecture 2 hours, laboratory 2 hours.

### **Economics and Statistics (Undergraduate)**

*Upper division status is prerequisite to enrollment in 3000- and 4000- level ECON courses.*

- **ECON 1090 - Quantitative Reasoning with Statistics**

**(also listed as MATH 1090)**

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(3)

Prerequisite: Score of 50 or more on ELM or MATH 0930 with a minimum C grade within the last year. Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications. Graded ABC/NC.

**GE B4**

- **ECON 1500 - Economics for the Citizen**

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(3)

Analysis of contemporary American economic problems. Topics may include inflation, unemployment, discrimination, costs and benefits of control of crime, and pollution.

**GE D**

- **ECON 2010 - Principles of Economics I: Microeconomics**

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(3)

Basic concepts and tools of economic analysis; prices and outputs, marketing structures, wages and profits; international trade and effects of tariffs.

- **ECON 2020 - Principles of Economics II: Macroeconomics**

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(3)

Prerequisite: ECON 2010. Concepts and tools of aggregate economic analysis; inflation, unemployment, balance of payments, national income; determinants of the level of economic activity; money and banking; the role of government.

- **ECON 2090 - Applied Business and Economic Statistics I**

---

(3)

Prerequisite: MATH 0930 or satisfactory score on mathematics placement examination. Elementary business and economics statistics with computer applications; descriptive statistics, frequency distribution, probability, sampling distribution, estimation, and significance tests. Some sections may be technologically mediated.

- **ECON 3030 - Money, Banking, and the Economy**

---

(3)

Prerequisite: ECON 2020. Nature and flow of money and credit; influence on prices, production, and employment; the Federal Reserve and banking systems; national income, and international monetary relations. Some sections may be technologically mediated.

- **ECON 3060 - Statistics for Business Analysis and Decision Making**

---

(3)

Prerequisites: Satisfactory completion of GE Block B4. Data collection methods; descriptive statistics; sampling analysis; hypothesis testing; multiple regression; qualitative data analysis; seasonality, trend and time-series forecasting; moving average and exponential smoothing. Use of Excel is required.

- **ECON 3090 - Applied Business and Economic Statistics II**

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(3)

Prerequisite: ECON 2090 or ECON/MATH 1090. Data analysis using spreadsheet software: sampling, testing and statistical inference; study of relationships between variables within business contexts; regression, correlation and time-series analyses with business applications including forecasting. Some sections may be technologically mediated.

- **ECON 3100 - Managerial Economics**

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(3)

Prerequisites: ECON 2010 (ECON 3090 recommended). Managerial application of microeconomic principles; emphasis on real world issues for business decision-making. Applied subjects include empirical analysis of sales and costs, pricing practices, nonprice competition, and government intervention. Some sections may be technologically mediated.

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### Economics and Statistics (Undergraduate)

*Upper division status is prerequisite to enrollment in 3000- and 4000- level ECON courses.*

- **ECON 3340 - Environmental Issues and Policy**

(3)

Prerequisite: Completion of GE blocks A and B4, an additional course from block B, and at least one course each from blocks C and D. Evaluate the social cost of environmental damage; examine social equity concerns arising from environmental degradation; evaluate the equity and efficiency of various public policies designed to address environmental damage.

**GE UD D**

- **ECON 3500 - Economics of Poverty and Inequality in the U.S.**

(3)

Prerequisite: ECON 1500 or 2010, or 2020. Concept and measurement of poverty; analysis of both economic causes and effects of poverty; policy implications and remedies.

- **ECON 3600 - Developing Countries and the New Global Economy**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Overview of economic factors that influence the development and participation of today's developing countries in the global economy; problems with economic transition, environment, technology, and impact of global financial, trade, and investment systems.

## UD GE D

- **ECON 3650 - Economics of the Latino Community**

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(3)

Prerequisite: Completion of GE blocks A and B4, an additional course from block B, and at least one course each from blocks C and D. Analyze socioeconomic characteristics of the US Latino community. Recognize how factors such as ethnicity, race and institutions contribute to the community's development. Topics include: poverty, inequality, healthcare, immigration, and education.

## GE UD D (re)

- **ECON 4010 - Mathematical Economics**

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(3)

Prerequisites MATH 2110. Mathematical treatment of economic problems with emphasis on optimization models, using calculus and matrix algebra.

- **ECON 4030 - Macroeconomics**

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(3)

Prerequisites: ECON 2020. Macroeconomic theory; determination of national income, theories of aggregate consumption, investment, unemployment, the price level; national income and product accounts; theory of growth.

- **ECON 4100 - Microeconomics**

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(3)

Prerequisite: ECON 4010. Advanced microeconomic theory; economic analysis and evaluation of market system of resource allocation and income distribution.

- **ECON 4110 - Market Structure and Strategic Firm Behavior**

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(3)

Prerequisite: ECON 2010. Studies firm behavior in perfectly and imperfectly competitive markets. Analyzes strategic interaction among firms and among stakeholders in game-theoretic settings. Examines public policy issues, including antitrust and other government regulations.

- **ECON 4140 - Econometrics I**

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(3)

Prerequisite: ECON 3090. Use of statistics to measure economic relationships, test economic theories, and prepare forecasts; emphasis on advanced regression techniques and data analysis; use of computer software.

- **ECON 4150 - Applied Economic and Business Forecasting**

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(3)

Prerequisite: ECON 3090. Hands-on training for forecasting economic/business trends with major proprietary computer software used by professionals; main concepts and modeling techniques in forecasting; diagnostic checking; model selection; forecast evaluation and reporting.



- **ECON 4260 - International Political Economy**

**(also listed as POLS 4260)**

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(3)

A three unit course in each of the disciplines: Economics and Political Science. Interaction of politics and economics in the international arena.

- **ECON 4300 - Labor Economics**

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(3)

Prerequisite: ECON 2020. Use of labor resources in economic system; employment, wage rates, development of unions and collective bargaining; labor legislation.

- **ECON 4330 - Economics of the Public Sector**

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(3)

Prerequisites: ECON 2010 and 2020. Role of government in the economy; discussions of issues in social security, social welfare, public education, budget deficit and debt, government taxation, and fiscal policy.

- **ECON 4340 - Environmental Economics**

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(3)

Prerequisite: ECON 1500 or 2010. Economic principles that apply to environmental issues; measuring economic cost of environmental damage; evaluation of public policies designed to address environmental problems resulting from market activities.

- **ECON 4350 - Market Indicators and Federal Reserve Policy**

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(3)

Prerequisite: ECON 3030. Analysis of Federal Reserve policy on interest rates; evaluation of market reports of economic indicators; effects on financial markets; leading/coincident/lagging indicators; business cycles and financial cycles.

- **ECON 4400 - Urban and Regional Economics**

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(3)

Prerequisite: ECON 2010. Role of economic analysis in dealing with urban and regional problems; growth, land use, housing, transportation, and income distribution; emphasis on role of economic models in policy making.

- **ECON 4540 - Special Topics in Economics and Statistics**

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(3)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for 16 units as subject matter changes.

- **ECON 4600 - Economics of Developing Countries**

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(3)

Prerequisite: ECON 1500, or 2020. Contemporary economic issues in developing countries; theories of development; problems with population growth, investment, technology, and entrepreneurship; role of trade and international finance; foreign aid and external debt; government policy.

- **ECON 4610 - Economics of International Trade**

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(3)

Prerequisite: ECON 2020. Economic analysis of how and why commodities are traded among nations; tariffs and quotas; common market and other international institutions.

- **ECON 4620 - International Monetary Economics**

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(3)

Prerequisite: ECON 2020. Economic analysis of international currency and bond market dynamics. Implications of fiscal, monetary and exchange rate policies for financial markets. Trade and capital flows. Study of currency and financial crises.

- **ECON 4650 - Current Issues in Latin American Economies**

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(3)

Prerequisite: ECON 1500 or ECON 2020. Analysis of factors determining the performance of Latin American economies, including external debt, trade, economic integration, labor market and institutions. Economic issues facing the U.S. Latino community are also discussed.

- **ECON 4720 - Labor Relations and Collective Bargaining**

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(3)

Prerequisite: ECON 2020. Recommended corequisite: ECON 4300. Relations between employers and employees as the latter are represented by organized labor; collective bargaining as it relates to recognition, wages, hours, working conditions, grievance procedure, seniority, and health and safety.

- **ECON 4800 - Economics of Health Care**

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(3)

Prerequisite: ECON 2010. Introduction to the economics of health care; covers basic economic concepts important to the study of the health care sector; compares health care in the US to other countries.

- **ECON 4900 - Issues in the Economics of Globalization**

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(3)

Prerequisites: ECON 2010 and 2020. Contemporary issues in globalization and international monetary cooperation, including international capital flows, central banking in emerging market economies, international debt, global and regional economic integration and international economic policy coordination.

- **ECON 4910 - Data Analysis, Reporting and Presentation**

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(3)

Prerequisite: Upper division required courses for Applied Economics and Social and Behavioral Science options. Use of a major statistical software package for data analysis; introduction to widely used economic databases; data presentation; research report writing and oral presentation.

- **ECON 4990 - Undergraduate Directed Study**

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(1-3)

Prerequisites: Economics major, senior standing, and consent of an instructor to act as sponsor; ability to assume responsibility for independent work and to prepare oral and written reports. Project to be selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for 20 units of credit.

### **Economics and Statistics (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser. Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000-level courses.*

- **ECON 5000 - Fundamentals of Business Economics**

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(3)

Business Economics: markets, demand, consumer behavior, nature of firms, measuring economic activity, inflation unemployment, money and banking, and the role of the government. Some sections may be technologically mediated.

- **ECON 5010 - Quantitative Methods for Business Decision-Making**

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(3)

Statistics and quantitative methods including descriptive statistics, statistical inference, hypothesis testing, correlation and regression, time series forecasting, inventory models, simulation, queuing, and decision under uncertainty. Some sections may be technologically mediated.

- **ECON 5100 - Seminar: Applied Microeconomic Analysis**

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(3)

Prerequisite: ECON 4100. Modern microeconomic theory and applications: empirical modeling of demand, cost, and production; practical illustrations of such applied topics as pricing practices of firms and public policy issues.

- **ECON 5140 - Seminar: Econometric Analysis**

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(3)

Prerequisite: ECON 3090. Advanced treatment of statistics; employing the linear regression model and its extensions to analyze economic systems and test economic theories.

- **ECON 5150 - Seminar: Applied Econometrics**

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(3)

Prerequisites: ECON 5140 Topics in applied econometrics; statistical procedures for graduate level research; cover models involving cross-section, time series and panel data; use of econometrics software.

- **ECON 5200 - Seminar: Macroeconomics and Monetary Policy**

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(3)

Prerequisite: ECON 4030. Major macroeconomic issues and policy debates; consumption and investment behavior; government debt; wage/price rigidities; inflation, unemployment and stabilization policies; implementation of monetary policy.

- **ECON 5210 - Seminar: International Macroeconomics and Currency Crises**

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(3)

Prerequisite: ECON 5200. Major issues in international capital flows and currency fluctuations; exchange rates and central-bank intervention; financial crisis analysis and management; financial vulnerability indicators; contagion of financial crises.

- **ECON 5330 - Seminar: Public Sector Economics (3)**

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Prerequisite: ECON 4100 and ECON 4140. Analysis of government spending and taxation policies at the graduate level; examination of public policy in various contexts including education, health and social welfare

- **ECON 5450 - Seminar: Urban and Environmental Economics**

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(3)

Prerequisite: ECON 4100 and ECON 4140. Analysis of urban and environmental policy at the graduate level; emphasis on the intersection between urban areas and environmental issues.

- **ECON 5600 - Seminar: Current Issues in Economic Development**

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(3)

ECON 4100 (ECON 4030 Recommended) . In-depth analysis of contemporary economic issues in developing countries, for example, population growth, domestic and foreign investment, technology, trade, foreign aid, external debt, and government policy.

- **ECON 5610 - Seminar: International Economics**

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(3)

Prerequisites: ECON 4100 (ECON 4030 is recommended). Analysis of current international issues concerning cross-border trade and capital flows; methods of trade policy analysis; implications of regional and global economic integration.

- **ECON 5800 - Seminar: Health Economics**

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(3)

Prerequisite: ECON 4100 and ECON 4140. Introduction to theories and research of health economics at the graduate level; coverage of public goods, pricing and competition theories, and government intervention in the health care sector.

- **ECON 5910 - Research in Economics**

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(3)

Prerequisite: Completion of the core of the Economics graduate program. Review of social science research methodology; use of major statistical software package; methods of locating and constructing data sets; exercise in writing and presenting empirical research.

- **ECON 5960 - Graduate Studies**

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See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **ECON 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **ECON 5980 - Graduate Directed Study**

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(1-3)

Investigation of an approved project leading to an oral and/or written report; project selected in conference with seminar professor before registration, and arrangements made for regular meetings during quarter. May be repeated for credit.

- **ECON 5990A - Thesis**

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(2)

Prerequisites: Completion of required core courses, written approval of graduate adviser. Work on thesis under direct supervision of thesis committee. Graded CR/NC.

- **ECON 5990B - Thesis**

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(2)

Prerequisites: ECON 5990A, written approval of thesis committee chair. Completion of thesis under direct supervision of thesis committee. Graded CR/NC.

- **ECON 9000 - Graduate Studies**

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(0)

Prerequisite: ECON 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

- **CCOE 1010 - Introduction to Higher Education in the Charter College of Education**

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(3)

Development of critical thinking, decision-making, contemporary issue analysis, information literacy and writing skills addressing the personal, academic and social challenges facing modern students, educators and public service providers.

**GE E, IHE (cl)**

- **CCOE 3010 - College Success and Professional Preparation in the Charter College of Education**

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(2)

Orientation to Cal State Los Angeles and the Charter College of Education; development of skills for successful transition to this campus and into professional preparation; ABC/NC; NIS Acct. Required

- **EDFN 2520 - Introduction to Statistics and Data Interpretation for Real-Life Problem Solving**

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(3)

Prerequisite: Completion of remediation, if required, or score of 50 or above on ELM requirement. Introduction to statistics and data analysis and interpretation using quantitative reasoning and mathematical concepts, including descriptive and inferential statistics and analysis methods for understanding basic research data, with real-life applications in the contexts of education and human services.

**GE B4**

- **EDUC 4000 - Improving Academic Literacy**

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(3)

Prerequisites: Admission to CCOE credential, certificate, or MA program. Developing academic literacy with emphasis on the writing, vocabulary, and critical thinking skills requisite to success in graduate study across a variety of disciplines. May be repeated up to a maximum of 6 units.

#### **Educational Administration (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program*

- **EDAD 5001 - Introduction to Educational Administration**

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(3)

Co-requisite: Must be taken concurrently with EDAD 5101. This course examines professional changes in the transition to leadership roles and investigates and integrates the Educational Administration performance standards required by the CCTC candidate assessment portfolios.

- **EDAD 5061 - Educational Leadership**

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(3)

Corequisite: Must be taken concurrently with EDAD 5161. This course prepares the candidate to understand the role of instructional leaders in a shared vision of learning, personal ethics, and leadership capacity.

- **EDAD 5062 - Research and Data Assessment**

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(3)

Corequisite: Must be taken concurrently with EDAD 5162. This course prepares the candidate to understand the role of instructional leaders as critical consumers of research and data assessment to improve student achievement utilizing appropriate data and technological applications.

- **EDAD 5063 - Pluralism, Collaboration, and Social Justice**

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(3)

Corequisite: Must be taken concurrently with EDAD 5163. This course prepares the candidate to understand the role of instructional leaders in the political, social, and cultural context of the school, collaboratively working with diverse families in a pluralistic community-setting.

- **EDAD 5064 - School Law**

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(3)

Corequisite: Must be taken concurrently with EDAD 5164. This course prepares the candidate to understand the roles of instructional leaders and school law in meeting the needs of diverse population, including individuals with disabilities.

- **EDAD 5065 - Instructional Leadership**

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(3)

Corequisite: Must be taken concurrently with EDAD 5165. This course prepares the candidate to understand the role of instructional leaders in curriculum and instructional programs that promote success for all students from diverse backgrounds.

- **EDAD 5066 - School Management**

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(3)

Corequisite: Must be taken concurrently with EDAD 5166. This course prepares the candidate to understand the role of instructional leaders in the management of the school, including human resources administration.

- **EDAD 5067 - School Finance**

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(3)

Corequisite: Must be taken concurrently with EDAD 5167. This course prepares the candidate to understand the role of instructional leaders in the fiscal and economic context of the school, ensuring equitable distribution of resources and support for all students.

- **EDAD 5101 - Laboratory for Educational Administration Digital Portfolios**

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(1)

Co-requisite: Must be taken concurrently with EDAD 5001. Students develop and implement technology skills and knowledge needed to create Educational Leadership digital portfolios for culminating assessment in student performance and competence as required by the CCTC. A minimum of twenty hours of laboratory is required.

- **EDAD 5161 - Fieldwork in Educational Leadership**

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(1)

Corequisite: Must be taken concurrently with EDAD 5061. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5061, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5162 - Fieldwork in Research and Data Assessment**

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(1)

Corequisite: Must be taken concurrently with EDAD 5062. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5062, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5163 - Fieldwork in Pluralism, Collaboration, and Social Justice**

---

(1)

Corequisite: Must be taken concurrently with EDAD 5063. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5063, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5164 - Fieldwork in School Law**

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(1)

Corequisite: Must be taken concurrently with EDAD 5064. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5064, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5165 - Fieldwork in Instructional Leadership**

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(1)

Corequisite: Must be taken concurrently with EDAD 5065. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5065, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5166 - Fieldwork in School Management**

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(1)

Corequisite: Must be taken concurrently with EDAD 5066. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5066, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5167 - Fieldwork in School Finance**



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(1)

Corequisite: Must be taken concurrently with EDAD 5067. Students develop and implement enriched fieldwork experiences that are designed to facilitate the application of theoretical concepts of EDAD 5067, in practical settings. A minimum of 20 hours of fieldwork experience under a qualified supervisor is required.

- **EDAD 5280 - Clinical Internship**

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(2)

Administrative, supervisory and curricular experience at school or district levels. May not be repeated for credit.

- **EDAD 5290 - Reflection and Portfolio Assessment**

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(2)

Prerequisite: Successful completion of all EDAD courses and advancement to candidacy. This is a capstone course designed for prospective administrators to demonstrate evidence of knowledge and skills reflective of the candidate's present competence and assessment of professional and academic growth achieved during the program.

- **EDAD 5330 - Legal Research in Educational Administration**

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(2)

Prerequisite: Effects of laws, legal materials, judicial decisions on school operations. Techniques of legal research and its relation to school administration.

- **EDAD 5390 - Seminar: Leadership through Personnel and Contract Administration**

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(2)

Prerequisites: Admission to EDAD Professional Credential Program. Examination of the practices and procedures affecting employer-employee relationships in the collective bargaining process and contract administration.

- **EDAD 5430 - Seminar: Advanced Fiscal Management**

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(2)

Prerequisites: EDAD 5390. Theory and practices of school business and facility management including accounting, purchasing, and supply management; evaluation, maintenance, and function of educational facilities and their interrelationships. Lecture (2 units) required; 10 hours of administrative-related field activities required.

- **EDAD 5450 - Seminar: Technology for Instructional and Organizational Change**

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(2)

Prerequisites: Admission to EDAD Professional Credential Program, computer literate and computer competent. Principles related to the management of information systems and instructional technologies for effective educational leadership.

- **EDAD 5520 - Seminar: Instructional and Organizational Change in Socio-Culturally Diverse Schools**

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(4)

Prerequisite: Admission to EDAD Professional Credential Program. A hands-on approach to relevant organizational theories for creating change to meet the needs of socio-culturally diverse schools and communities.

- **EDAD 5700 - Coaching for the Administrative Services Clear Induction Program**

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(3)

Prerequisite: Admission to the Administrative Services Clear Induction Credential Program. This course is designed for new administrators who are enrolled in the Administrative Services Clear Induction Credential Program. The research-based coaching model focuses on self-assessment within the school context and leadership development. Each candidate receives individualized, job-embedded coaching for a minimum of 20 hours per semester. The course may be repeated up to four times for credit.

- **EDAD 5800 - Professional Learning**

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(1)

Pre-requisite: Admission to the Administrative Services Clear Induction Credential Program. This course is designed for new administrators enrolled in the Administrative Services Clear Induction Credential Program. Formal learning opportunities address common areas for all beginning administrators, as well as differentiated and informal learning experiences as identified in the Individual Induction Plan (IIP) and aligned with district goals. Each candidate participates in professional learning opportunities for a minimum of 10 hours per semester. The course must be taken four times for credit.

- **EDAD 5820 - Practicum: Field Work**

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(2)

Prerequisites: Admission to EDAD Professional Credential Program; EDAD 5940. Practical experience in applying principles, practices and procedures of school sites and district offices. May be repeated to maximum of 12 units for credit.

- **EDAD 5900 - Assessment for the Administrative Services Clear Induction Credential Program**

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(2)

Prerequisite: Admission to the Administrative Services Clear Induction Credential Program. This course is designed for the new administrators enrolled in the Administrative Services Clear Induction Credential Program. Each candidate is provided with formative and summative assessment to measure leadership performance, professional growth and competence. A successful portfolio demonstrating competence in all CPSELs is required of each candidate at the end of the 4th semester. The course must be taken four times for credit.

- **EDAD 5960 - Reflection and Self-Assessment of Professional Educational Leadership**

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(4)

Prerequisite: Verification of employment as an administrator with a California Preliminary Administrative Services Credential. Designed for beginning administrators to develop induction plans and engage in professional activities to meet the CLEAR Administrative Services Credential standards of candidate competence and performance. Fieldwork is required.

## EDAD 5961 - Professional Portfolio Assessment

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(4)

Prerequisite: Verification of employment as an administrator with a California Preliminary Administrative Services Credential. Designed for beginning administrators to demonstrate meeting the CLEAR Administrative Services Credential standard of candidate competence and performance. Fieldwork is required.

- **EDAD 5980 - Graduate Directed Study**

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(3)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDAD 5990 - Thesis or Project Planning**

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(2)

Prerequisites: Advancement to candidacy, written approval of thesis chair. Prior to completion, student will have completed draft of thesis or project proposal, selected a thesis committee, and submitted draft of thesis or project proposal to thesis committee. Graded CR/NC.

- **EDAD 5991 - Thesis or Project**

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(2)

Prerequisites: EDSP 5990A and, written approval of thesis/project chair. Completion of the thesis or project or substantial progress toward completion under the direct supervision of the thesis or project committee. Graded CR/NC; repeatable up to 4 units.

### **Educational Administration (Doctoral)**

- **EDAD 6010 - Organizational Theory and Leadership for Change**

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(3)

Prerequisite: Admission to doctoral program. Historical and structural analysis of educational, organizations; urban learning systems as they relate to organizational theory, change leadership, and school reform.

- **EDAD 6050 - Advocacy, Community Engagement and Governance: The Social and Political Contexts of Education**

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(3)

Prerequisite: Admission to doctoral program. Examines research on the role of social movements, civic activism and community-based organizing in building advocacy and leadership for school reform analysis of interagency and intergovernmental politics and practices.

- EDAD 6080 - Legislative Action and Educational Policy

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(3)

Prerequisite: Admission to the Ed.D. program in Education. Examination of legal processes governing educational policy, including significant laws, legal principles, recent litigation, controlling relationships of schools to student and teacher rights and duties, administrative behavior, etc. Focuses on connections between legislative/judicial action and social, political and economic forces affecting education.

- EDAD 6260 - Designing and Writing the Doctoral Dissertation Proposal

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(3)

Prerequisite: Admission into Doctoral Program. Incorporates a writing workshop approach to help students develop effective academic writing strategies, describe the design of the dissertation, prepare a timeline, and write required chapters of a dissertation proposal. May be repeated once for credit. Graded ABCDF or Credit /No Credit.

- EDAD 6701 - Governance and Administration of Colleges and Universities

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(3)

Prerequisite: Admission into the Ed.D. program in Educational Leadership. History, research, policies, perspectives and leadership practices that shape governance structures in colleges and universities, with emphasis on the function of governing units and associated administrative roles and responsibilities.

- EDAD 6704 - Law and Policy for Postsecondary Leadership

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(3)

Prerequisite: Admission into the Ed.D. program in Educational Leadership or consent of instructor and program director. Overview of national, state, and regional laws and policies impacting postsecondary leadership. Introduces theoretical and conceptual approaches for evaluating current policy issues and challenges facing U.S. Higher Education.

- EDAD 6705 - Transformational Leadership in Community Colleges

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(3)

Prerequisite: Admission into the Ed.D. program in Educational Leadership or consent of instructor and program director. Introduction to the foundational literature on the historical, social, and political contexts of the community college. Examines the missions, institutional structures and stakeholders, and contemporary demographics and outcomes in community colleges.

- EDAD 6920 - Doctoral Seminar: Special Topics in Educational Leadership for Pre K-16 Education

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(3)

Prerequisite: Admission to Doctoral Program. Contemporary issues in Pre K-16 education: Interdisciplinary perspectives on California's education system; current and future challenges for Pre K-16 alignment; equitable distribution of resources; new strategies for organizational change and transformation. May be repeated to a maximum of 6 units.

- EDAD 6950 - Guided Study for the Dissertation

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(3)

Prerequisites: Admission into Doctoral Program. Faculty coaching and structured activities to support completion of dissertation proposal and advancement to candidacy; conducting pilot studies, students refine literature review, research questions, design, and methods of data collection. May be repeated up to 3 times. Graded ABCDF or Credit /No Credit.

- **EDFN 6020 - Research Methodologies for Urban Educational Leadership**

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(3)

Prerequisite: Admission to Doctoral Program. Research methods applicable to equity and inclusion issues impacting urban education. Topics include qualitative, quantitative, mixed methods research designs, measurement, evaluating quality in educational research, elements of a research proposal.

- **EDFN 6140 - Evaluation Methods for Urban Educational Leadership**

---

(3)

Prerequisite: Admission into Doctoral Program. A comprehensive survey of program evaluation principles, methodologies, designs, effective use of evaluation data for decision making, and state and federal evaluation requirements for educational leaders.

- **EDFN 6410 - Using Quantitative Methods to Analyze Inequitable Schooling Outcomes and to Target Improvement**

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(4)

Prerequisite: Admission to Doctoral Program. Statistical analysis for education using national datasets of schooling outcomes; contingency tables/Chi Square analysis, T-test, analysis of variance, correlation and regression, and design applications including higher order factorials, repeated measures.

- **EDFN 6411 - Using Qualitative Research to Explore Teaching and Learning for Diverse Urban Settings**

---

(4)

Prerequisite: Admission to Doctoral Program. Traditions and methods of qualitative research; knowledge and skills to understand, design and conduct qualitative research; using qualitative data and analyses to identify and understand educational issues and problems.

- **EDFN 6980 - Graduate Directed Study**

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(1-9)

Prerequisite: Consent of an instructor to act as sponsor. Independent directed study of advanced topics in field; regular meetings with faculty sponsor. Can be taken for 1-3 semester units. May be repeated for up to 6 semester units of credit.

#### **Educational Foundations (Undergraduate)**

- **EDFN 3130 - Diversity, Intersectionality, Major Racial/Ethnic Groups in U.S. Schooling, and Equality of Educational Opportunity and Social Justice**

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(3)

Prerequisite: Completion of Blocks A and B4, and additional course from Block B, and at least one course each from Blocks C and D. An examination of diversity, the intersectionality of race, ethnicity, class, gender, and sexuality, with a focus on experiences of major racial/ethnic groups in relation to U.S. schools and educational equality.

**GE UD D (re)**

• **EDFN 4131 - Psychological Foundations of Education**

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(3)

Psychological research, theory, and practices in human development related to learning, motivation, and metacognition in urban educational settings.

• **EDFN 4200 - Educational Foundations: Diversity and Equity in Urban Schools**

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(2)

Foundational study of schooling focusing on the intersectionality of race/class/gender/sexuality, the educational experience of non-dominant racial, cultural, and socioeconomic groups, and equality of educational opportunity in urban schools.

• **EDFN 4400 - Educational Foundations: Schooling in a Diverse Society**

---

(3)

Study of the historical, cultural, social, and legal foundations of education with an emphasis on the intersectionality of race/class/gender/sexuality and the educational experience of non-dominant racial, cultural, and socioeconomic groups.

• **EDFN 4520 - Statistics in Education**

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(3)

Prerequisite: Recommended one year of algebra. Introduction to descriptive and inferential statistics basic to understanding and conducting educational research, including measures of central tendency, variability, co-variability, sampling theory, interval estimation, testing statistical hypotheses.

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|--|--|--|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events<br>Leadership<br>University Times<br>Student Government (ASI)<br>University Student Union<br>Golden Eagle Radio | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and Scholarships<br>Graduate Studies<br>Housing Services<br>International Office<br>Orientation Program<br>Outreach and Recruitment | Center for Effective Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience Collaborative<br>Pat Brown Institute<br>Service Learning<br>Stern MASS<br>The School of Arts<br>Enterprise | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center<br>Housing Services<br>Luckman Fine Arts Complex<br>Public Safety and Parking<br>Title IX<br>University Auxiliary |



# University Catalog

## Catalog Search

Semester Catalog 2017-2018

S

## Course Descriptions



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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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|--|---|-------------------------------|-------------------------------|
| Prefix:                                      | Code or Number:                           | Type                          | Keyword or Phrase:            |
| <input type="text" value="All prefixes..."/> | <input type="text" value="All types..."/> | <input type="text" value=""/> | <input type="text" value=""/> |

Find whole word or phrase only.

### Educational Foundations (Graduate)

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program*

- **EDFN 5000 - Research Methods in Education**

(3)  
Introduction to research methods in education including survey of educational research methods, and planning and proposing a research study in various educational fields with implications for educational decision-making.

- **EDFN 5050 - Seminar in Qualitative Research in Education**

(3)  
Introduction to qualitative research theory and methodology in education; interpretation, data collection, and analysis; practitioner research.

- **EDFN 5060 - Seminar in Comparative and International Education**

(3)  
The study of select educational systems around the world with a particular focus on the interrelatedness of national education systems and the globalization of educational policies and practices.

- **EDFN 5070 - Seminar in History of Education**

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(3)

Historical analysis of major aspects and dimensions of schooling in the United States with an emphasis on understanding issues in contemporary urban schooling.

- **EDFN 5080 - Seminar in Philosophy of Education**

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(3)

Selected current philosophies of education and their applications to educative process. Particular attention to philosophical analysis of issues related to multilingual/multicultural and urban education.

- **EDFN 5100 - Seminar in Learning Theory and Education**

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(3)

Recent significant developments in learning and motivation theories with emphasis on classroom application for children, youth, and adults.

- **EDFN 5250 - Seminar in Sociology of Education**

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(3)

A study of theory and major concepts from the sociology of education and contemporary social theory as related to urban schooling.

- **EDFN 5300 - Seminar in Advanced Study in Human Development: Vygotskian Theory and Perspectives**

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(3)

Prerequisite: EDFN 4131 or consent of the instructor. Vygotskian theory and perspectives on human development and learning with an emphasis on the role of culture and sociocultural context in human cognition and learning.

- **EDFN 5410 - Evaluation of State and Federal Programs**

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(3)

Prerequisites: EDFN 5000 or equivalent and EDFN 4520. An introduction to program evaluation designs and approaches; a survey of issues dealing with conducting evaluations of federal and state programs, including grant proposals and human subjects principles.

- **EDFN 5500 - Contemporary Social Theory and Issues in Urban Education**

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(3)

Introduction to and examination of conceptual frameworks and methods of contemporary social theories (e.g., social reproduction theory, postmodernist/poststructuralist theory, feminist theory, postcolonial theory, critical race theory, and



critical pedagogy as related to issues of class, race/ethnicity, gender, power, and equity in urban schooling.

- **EDFN 5520 - Seminar in Policy and Politics in Education**

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(3)

This course explores traditional and alternative approaches to the study of policy for urban educational contexts covering key concepts such as power relationships in policy environments, policy-making processes, policy texts, and implementation practices.

- **EDFN 5930 - Survey Research: Introduction to Survey Research and Design**

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(3)

Topics include survey methods, survey construction, design and sampling, data collection and analysis, and report writing.

- **EDFN 5960 - Comprehensive Exam**

---

(0)

Graded CR/NC

- **EDFN 5970 - Graduate Research**

---

(1-3)

Prerequisites: EDFN 5000, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **EDFN 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDFN 5990 - Thesis or Project Planning**

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(2)

Prerequisites: EDFN 4520, EDFN 5000. Consent of thesis chair. Student will complete thesis or project proposal draft, select a thesis/project committee, submit a final draft of proposal to the committee, and submit all required paperwork, including IRB application if necessary. Graded CR/NC.

- **EDFN 5991 - Thesis or Project**

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(2)

Prerequisites: EDFN 5990 and written approval of thesis chair. Completion of thesis or project or substantial progress

toward completion under the direct supervision of the thesis or project committee. Graded CR/NC. Repeatable for up to 4 units.

### **Educational Foundations (Doctoral)**

- **EDFN 6412 - Practitioner Research Embedded in School Communities**

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(4)

Prerequisites: Admission to doctoral program; EDFN 641A and 641B. Students engage in field-based studies relevant to school communities that may be qualitative, quantitative, or mixed method and that foster organizational learning and problem solving through systematic inquiry and reflection.

### **Elementary Education (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDEL 4000, 4150-4190, 4310, 4650*

- **EDCI 4010 - English Language Development**

---

(3)

Introduction to language acquisition, and related cultural aspects of learning in urban classrooms; analysis, application, evaluation of strategies for teaching language arts for first and second language development, ELD strategies. Includes laboratory experiences in a field setting.

- **EDCI 4270 - Current Topics in Multicultural Children's Literature**

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(3)

An introduction to the use of multicultural children's literature in the classroom. Survey, analysis and current trends and topics in relation to the use of multicultural children's literature.. Graded ABC/NC.

- **EDCI 4310 - Advanced Teaching and Learning of Mathematics in Schools**

---

(3)

Prerequisite: EDEL 4170 or EDSE 4212M or instructor consent. Advanced analysis, application, and evaluation of strategies for teaching and learning of mathematics in various socioeconomic and cultural milieu.

- **EDCI 4330 - Special Topics in Mathematics for Teachers**

---

(3)

Prerequisite: Consent of Instructor. Instructional laboratory for teachers; current strategies, materials, and terminology for teaching specific domains from Mathematics Framework for California public schools.

- **EDCI 4350 - Using Digital Tools in Teaching Problem Solving and Modeling in Mathematics**

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(3)

Prerequisite: Consent of Instructor. Instructional laboratory on how digital tools can be utilized in teaching mathematics, with a special emphasis on problem solving and modeling.

- **EDCI 4510 - Teaching Science in Elementary School**

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(3)

Prerequisite: Teaching experience. Intensive study in teaching science in elementary school; exploration, analysis, interpretation, and implementation of modern teaching trends, issues, and materials, with urban emphasis.

- **EDCI 4730 - Storytelling for Teachers**

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(3)

Developing skills of storytelling methods in social and cultural settings such as classrooms. Using and Applying strategies of storytelling through concurrent field site experiences in the community. Lecture 2 hours, activity 1 hour. Graded ABC/NC

- **EDCI 4881 - Support Supervision in Field Experiences**

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(2)

This course is restricted to students in the Cal State LA University Multiple and Single Subject Teaching Credential Internship Programs. It provides supervision and support in instruction to interns in their classrooms. (May be repeated to a maximum of 8 units for credit). Graded CR/NC.

- **EDCI 4882 - Support Supervision in Field Experiences**

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(3)

This course is restricted to students in the CSULA University Multiple and Single Subject Teaching Credential Internship Programs. It provides supervision and support in instruction to interns in their classrooms. Graded CR/NC.

- **EDCI 4883 - Support Supervision in Field Experiences**

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(3)

This course is restricted to students in the CSULA University Multiple and Single Subject Teaching Credential Internship Programs. It provides supervision and support in instruction to interns in their classrooms. Graded CR/NC.

- **EDEL 4120 - Emergent Literacy**

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(3)

Basic concepts of emergent literacy, strategies for teaching beginning reading/writing, phonemic awareness, phonics and other word-attack skills, assessment, linguistic diversity, children's literature, and related legislative actions and initiatives.

- **EDEL 4150 - Curriculum and Teaching of Reading and Language Arts**

---

(3)

Prerequisites: Admission to the Charter College of Education Credential Programs. Must be taken concurrently with EDEL 4151. Analysis, application, and evaluation of strategies for teaching reading and language arts in various milieu, emphasizing comprehension, decoding skills and strategies. Includes laboratory experiences in a field setting.

- **EDEL 4150C - Proseminar: Curriculum and Teaching of Reading/Language Arts - Chinese**

---

(3)

Prerequisite: Completion of all Professional Education courses of multiple subject credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes observation and participation in a field setting. This course is offered in English/Chinese combination. Bilingual authorization standards are also emphasized.

- **EDEL 4150K - Proseminar: Curriculum and Teaching of Reading/Language Arts - Korean**

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes observation and participation in a field setting. This course is offered in English/Korean combination. Bilingual authorization standards are also emphasized.

- **EDEL 4150S - Proseminar: Curriculum and Teaching of Reading/Language Arts - Spanish**

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, and evaluation of strategies for teaching reading in various milieu, emphasizing comprehension, phonics and other decoding skills and strategies. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDEL 4160 - Curriculum and Teaching of Writing/Language Arts**

---

(3)

Prerequisite: Formal admission to the multiple subject credential program. Taken concurrently with EDEL 4161. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening.

- **EDEL 4160C - Proseminar: Curriculum and Teaching of Writing/Language Arts - Chinese**

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes

observation and participation in a field setting. This course is offered in English/Chinese combination. Bilingual authorization standards are also emphasized.

- EDEL 4160K - Proseminar: Curriculum and Teaching of Writing/Language Arts - Korean

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes observation and participation in a field setting. This course is offered in English/Korean combination. Bilingual authorization standards are also emphasized.

- EDEL 4160S - Proseminar: Curriculum and Teaching of Writing/Language Arts - Spanish

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, and evaluation of teaching writing and related language arts in various milieu, emphasizing skills and strategies addressing spelling, grammar, handwriting, children's literature, oral language, and listening. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- EDEL 4170 - Curriculum and Teaching of Elementary Mathematics

---

(3)

Prerequisites: GE MATH certification. Admission to a CCOE Credential Program. Taken concurrently with EDEL 4171. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu.

- EDEL 4170C - Proseminar: Curriculum and Teaching of Mathematics - Chinese

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Includes observation and participation in a field setting. This course is offered in English/Chinese combination. Bilingual authorization standards are also emphasized.

- EDEL 4170K - Proseminar: Curriculum and Teaching of Mathematics - Korean

---

(3)

Prerequisites: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Includes observation and participation in a field setting. This course is offered in English/Korean combination. Bilingual authorization standards are also emphasized.

- EDEL 4170S - Proseminar: Curriculum and Teaching of Mathematics - Spanish

---

(3)

Prerequisites: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application and evaluation of strategies for teaching mathematics in various socioeconomic and cultural milieu. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDEL 4180 - Curriculum and Teaching of Elementary School Science**

---

(3)

Prerequisite: Admission to the multiple subject credential program. Must be taken concurrently with EDEL 4181. Analysis, application, evaluation of strategies for transformative teaching of elementary school science in urban classrooms.

- **EDEL 4180S - Proseminar: Curriculum and Teaching of Science - Spanish**

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, evaluation of strategies for teaching science in various socioeconomic and cultural milieu. Course consists of seminar. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDEL 4190 - Curriculum and Transformative Teaching of Social Science**

---

(3)

Prerequisite: Admission to the multiple subject teaching credential program. Analysis, application, evaluation of strategies methodologies, themes, and issues in teaching social science in urban classrooms. Includes classroom experiences to scaffold development of transformative educational leaders.

- **EDEL 4190S - Proseminar: Curriculum and Teaching of Social Science - Spanish**

---

(3)

Prerequisite: Completion of all Professional Education courses of Multiple Subject Credential program. Analysis, application, evaluation of strategies for teaching social science in various socioeconomic and cultural milieu. Assessment point for progress on professional portfolio. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDEL 4210 - Teaching Language Arts in Elementary School**

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(3)

Intensive study in teaching language arts in elementary school. Exploration, analysis, interpretation, and implementation of modern teaching trends and issues, with urban emphasis.

- **EDEL 4240 - Methods of Using Creative Dramatics with Children**

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(3)

Methods of using creative dramatics and educational drama as essential to language arts and literacy across the curriculum for K-8 students. A preservice or inservice course for librarians and teachers. Lecture 3 hours, laboratory 1 hour.

- EDEL 4320 - Teaching STEM for Early Childhood

---

(3)

Professional course presenting methods and materials for teaching STEM to children, prekindergarten through grade three.

- EDEL 4610 - Curriculum Procedures and Assessment in Early Childhood Education

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(3)

Designing learning experiences to address developmental characteristics of preschool/kindergarten children in diverse urban settings. Administration, analysis, and interpretation of formal and informal assessments. Observation/participation in early education classrooms required.

- EDEL 4620 - The Role of Play in Learning

---

(3)

Prerequisite: California Commission on Teacher Credentialing Certificate of Clearance or California Child Development permit. Dynamics of the role of group and individual play in children's learning. Emphasis on understanding human development, behavior, and adult facilitation of learning. Observation in early education settings required.

- EDEL 4630 - Preschool-Kindergarten Education: Language and Literacy

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(3)

Instructional strategies bridging preschool and kindergarten in diverse urban settings; including theoretical frameworks, first - and second-language and literacy acquisition, and authentic assessment practices.

- EDEL 4650 - Directed Teaching: Preschool

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(8)

Directed teaching for credential at preschool level. Graded CR/NC.

- EDEL 4660 - Cultural Diversity in Early Childhood Classroom: Needs and Opportunities

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(3)

Multicultural education and anti bias curriculum development for early childhood education; focus on cross-cultural perspectives and their effects on behavior, learning, and teaching.

- EDEL 4670 - School/Family/Community Partnerships in Urban Learning

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(3)

Examination of family, community, societal, cultural, and ideological influences on children's learning and schooling. Emphasis on strategies to integrate urban family members, as well as community resources, into the teaching-learning process. Field-based experiences required.

- **EDEL 4880 - Directed Teaching: Multiple Subject**

---

(7)

Prerequisites. Completion of all professional education courses, EDFN 4400, EDSP 4000. Corequisite: EDEL 4881. On-site laboratory experience consisting of teaching multiple subjects under direction of University supervisor with cooperation of supervising classroom teacher(s). May be repeated for credit with division approval. Graded CR/NC only.

- **EDEL 4881 - Reflection, Synthesis and Assessment of Directed Teaching**

---

(1)

Prerequisites: Completion of all courses in Blocks One-Three, EDFN 4400, EDSP 4000. Corequisite: EDEL 4880. Seminar to accompany directed teaching to provide candidates opportunities for self- and peer- reflection, professional growth, and summative program portfolio assessment.

- **EDEL 4890 - Demonstration of Instructional Competencies**

---

(7)

Prerequisites: Completion of all professional education courses, EDFN 4400, EDSP 4000. Corequisite: EDEL 4881. Demonstration of competencies related to instructional skills specified for components leading to completion of approved preliminary multiple subject credential program requirements. Restricted to field-based candidates currently employed as full-time teachers. May be repeated for credit with division approval. Graded CR/NC.

- **EDEL 4900 - Problems in Elementary Education**

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(1-3)

Prerequisite: Instructor consent. Investigation of unique problems in elementary education. Specific topic announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **EDEL 4990 - Undergraduate Directed Study**

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(1-3)

Prerequisite: Instructor consent. Project selected in conference with sponsor before registration; progress meetings held regularly and final report submitted. May be repeated for credit.

### **Elementary Education (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **EDCI 5310 - Seminar: Research in Teaching Mathematics**

---

(3)

Prerequisites: Consent of Instructor. Analysis of research on instruction and learning; application of implications of research to the solution of classroom problems. An action research project, including an extensive review of the literature, is required.



- EDCI 5800 - Computer Applications for Teaching Mathematics and Science

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(3)

Prerequisite: Consent of Instructor. Development of criteria for selecting courseware and strategies for using them in the teaching of mathematics and science in schools.

- EDCI 5900 - Creating a Healthy and Effective Classroom Climate

---

(3)

Prerequisites: EDEL 414, EDSE 415, or EDCI 402 or equivalent. Creating advanced examination of the area of classroom management; strategies for creating a healthy classroom environment.

- EDEL 5250 - Reading, Writing and Related Language Arts Across the Curriculum

---

(3)

Prerequisites: EDEL 4150 & EDEL 4160, or EDSE 4501 & EDSE 4502, or equivalent or EDUR status, or teaching credential or instructor consent. Investigation of Prekindergarten - Middle School comprehensive reading, writing, and related language arts instruction, research base, and applications. Literature-based action research project across the curriculum.

- EDEL 5350 - Teaching for Cross-Cultural and Global Awareness

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(3)

Instructional strategies, materials, resources for examining cross-cultural and global education issues in the classroom.

- EDEL 5510 - Seminar: Research in Teaching Elementary School Subjects: Science

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(3)

Analysis of research on instruction and learning; application of implications of research to the solution of classroom problems. An action research project, including an extensive review of the literature, is required.

- EDEL 5600 - Leadership, Advocacy, and Management of Early Childhood Programs

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(3)

Prerequisite: Enrollment in Early Childhood/Primary Education M.A. option or consent of instructor. Leadership, advocacy and management of early childhood programs explores historical issues involving legislation, policy in early childhood education, leadership, goals, budget, advocacy, accountability, differentiated staffing, management, proposal writing, and articulation.

- EDEL 5630 - Current Trends, Issues, and Research in Early Childhood Education

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(3)

Prerequisite: Enrollment in Early Childhood/Primary Education M.A. option or consent of instructor. This course examines research findings, reviews literature on trends and issues from multiple vantage points, and serves as an impetus to delve deeply into current tensions in the field.

- EDEL 5640 - Seminar: Advanced Methodologies in Early Childhood Education

---

(3)

Prerequisites: Consent of instructor. Intensive research-based study of early childhood education methodologies offered through course sections in assessment, interdisciplinary curriculum approaches, play, school-family partnerships. May be repeated for up to 8 credits.

- **EDEL 5890 - Seminar: Elementary Education**

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(3)

Prerequisite: Completion of or concurrent enrollment in last 10 units for M.A. degree in Education: Elementary Teaching option. Identification and analysis of problems and trends in urban elementary education.

- **EDEL 5940 - Selected Studies in Elementary Education**

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(1-3)

Intensive study of designated problems in elementary education. May be repeated for credit as subject matter changes.

- **EDEL 5950 - Advanced Field Work: Early Childhood Specialist Instructional Credential**

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(4)

Prerequisite: Formal admission to Early Childhood Specialist instructional credential program. Specialized fieldwork assigned on individual basis. Scheduled fieldwork; tutorial session required. Graded CR/NC.

- **EDEL 5970 - Graduate Research**

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(1-3)

Prerequisites: EDFN 5000, instructor consent to act as sponsor, division approval of project prior to registration. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **EDEL 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and of instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

### **Electrical and Computer Engineering (Undergraduate)**

*In addition to prerequisites listed for individual courses, ENGL 1020\*, COMM 1500, and EE 2900 are prerequisite to all upper division EE courses.*

*\*Students subject to catalogs prior to 1997-1999 satisfy this prerequisite with ENGL 1010 or 1900.*

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **EE 1540 - Special Topics in Electrical Engineering**

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(1-3)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Electrical and Computer Engineering, as announced in schedule of classes. May be repeated for credit. Graded ABC/NC.

- **EE 2040 - Circuit Analysis I**

---

(3)

Prerequisite or Corequisites: MATH 2120, PHYS 2200. Electric circuit dc analysis; introduction to operational amplifier; energy storage elements; switching circuits; ac analysis and design; ac power analysis; ideal transformer. Graded ABC/NC, course can be repeated a maximum of two times.

**CI-D ENGR 260:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **EE 2049 - Electrical Measurements and Circuits Laboratory**

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(1)

Prerequisite: EE 2040. Characteristics and limitations of electrical instrumentation and experimental verification of the laws of electric circuits.

**CI-D ENGR 260L:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **EE 2440 - Digital Engineering**

---

(3)

Pre-requisite: College Algebra. Binary systems; boolean functions and their simplification; combinational and sequential logic; digital system design and implementation using FPGA. Lecture 2 units, Lab 1 unit. Graded ABC/NC, course can be repeated a maximum of two times.

- **EE 2449 - Digital Logic Laboratory**

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(1)

Co-requisite: EE 2440. Laboratory experiments in logic design of digital systems. Graded ABC/NC, course can be repeated a maximum of two times.

- **EE 2450 - Embedded System Programming I**

---

(3)

Prerequisite: ENGR 1500 and co-requisite: MATH 1040. Embedded system programming with C programming language; software design and testing; introduction to data structures and algorithms; introduction to embedded systems and input/output interfacing; application of numerical techniques. Lecture 2 hours, laboratory 3 hours; Graded ABC/NC, course can be repeated a maximum of two times.

**CI-D ENGR 120:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **EE 2540 - Special Topics in Electrical Engineering**

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(1-3)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Electrical and Computer Engineering, as announced in schedule of classes. May be repeated for credit. Graded ABC/NC.

- **EE 3000 - Economics for Engineers**

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(3)

Prerequisite: Junior or Senior Standing in Engineering. Basic economic concepts and principles, costs and benefits analysis, alternative designs, economic viability of engineering solutions in broader context.

- **EE 3001 - Numerical Analysis and Modeling Using MATLAB**

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(1)

Prerequisite: EE 2040. Introduction to the MATLAB environment; basic programming in MATLAB; numerical computations using MATLAB; introduction to MATLAB Simulink.

- **EE 3010 - Ethics and Professionalism in Engineering**

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(3)

Prerequisites: Junior or Senior standing in engineering. Ethical issues in engineering profession; impact of engineering profession on society; professional registration and liability; ethical standards and legal responsibilities.

- **EE 3020 - Signals and Systems**

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(3)

Prerequisites: EE2040; Prerequisite or Corequisite: MATH2150. Signal analysis; linear systems analysis by convolution; Laplace transform; Fourier series; and Fourier transform; introduction to state space and discrete systems.

- **EE 3030 - Circuit Analysis II**

---

(3)

Pre-requisites: EE 3020. Advanced techniques in circuit analysis including transformation methods with applications to a broad range of circuit problems in Electrical Engineering; introduction to two-port network modeling; 1st order and nth order switching circuits.

- **EE 3040 - Probability, Random Variable, and Random Processes**

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(3)

Prerequisite or Corequisite: MATH 2130. Concept of probability; random variables; probability distribution and density functions; multiple random variables; introduction to random processes and noise.

- **EE 3050 - Electric and Magnetic Fields**

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(3)

Prerequisite: EE2040. Vector Calculus; electrostatic fields; electric fields in material space; magnetostatics; electromagnetic fields; general Maxwell's equations; introduction to transmission lines.

- **EE 3200 - Analog Communication Systems**

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(3)

Prerequisite: EE3020. Modulation theorem; carrier communications systems; types of modulation; communication circuits; transmitters and receivers; superheterodyne radio receivers; stereo systems; noise analysis; pulse modulation.

- **EE 3209 - Communications Laboratory**

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(1)

Prerequisite: EE 3200. Laboratory investigations of characteristics of communication systems and components.

- **EE 3300 - Electric Machines**

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(3)

Prerequisite: EE 2040. Electromechanical principles and applications to electric machines and transformers; theory and design of AC and DC machines.

- **EE 3309 - Electromagnetic Energy Conversion Laboratory**

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(1)

Prerequisite: EE 3300, EE 2049. Laboratory investigations of electromechanical machines; transformers.

- **EE 3445 - Computer Organization**

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(3)

Prerequisites: CS2013 or permission of the instructor. Introduction to computer systems including implementation alternatives for major processor sub-systems. Discussion includes data representation, central processing units, instruction formats, addressing modes, memory hierarchy, parallel processors, and RISC machines.

- **EE 3450 - Embedded System Programming II**

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(3)

Prerequisite: EE 2450 and EE 2449. Embedded system architecture; bus structures; memory system design; general purpose input/output; interrupts and timers; analog-digital and digital-analog conversion. C and ARM assembly language programming. Embedded system applications in electrical engineering. Lecture 2 hours, laboratory 3 hours.

- **EE 3540 - Special Topics in Electrical Engineering**

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(1-3)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in Electrical and Computer Engineering, as announced in schedule of classes. May be repeated for credit. Graded ABC/NC.

- **EE 3600 - Control Systems I**

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(3)

Prerequisite: EE3020. Mathematical modeling of control systems; block diagram representation and simplification of control systems; transient and steady-state analysis and design of feedback control systems by classical methods.

- **EE 3700 - Electronics I**

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(3)

Prerequisite: EE2040. Introduction to small signal analog electronics; general properties and characteristics of the semiconductor devices; p-n junction diodes; bipolar junction transistors; field effect transistors.

- **EE 3709 - Electronics Laboratory**

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(1)

Prerequisite or Corequisite: EE 3710. Laboratory study of electronic single- and multi-stage amplifier circuits using BJT, FET, and CMOS transistors; study of characteristics and applications of operational amplifiers; simulation of circuits for verification in PSPICE.

- **EE 3710 - Electronics II**

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(3)

Prerequisite: EE 3700. Design and analysis of multi-transistor circuits and multi-stage amplifiers; large signal transfer characteristics; small signal analysis and frequency response.

- **EE 3720 - Digital Electronics**

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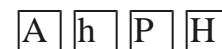
(3)

Prerequisites: EE 2440, 3700. Overview of digital logic families; design and characteristics of digital electronic circuits, such as CMOS digital logic gates and memory circuits; analysis of noise margin, rise- and fall-times, propagation delays, fan out, fan in, and power dissipation.

• [EE 3801 - Introduction to Biomedical Engineering](#)

(3)

Prerequisites: MATH 2120, PHYS 2100, BIOL 2020. Introduction to the field of biomedical engineering; fundamental knowledge on various subfields of biomedical engineering, including biomechanics, rehabilitation engineering, biomedical devices, biosignal processing, and responsible conduct in biomedical research.



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# University Catalog

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Semester Catalog 2017-2018

S

## Course Descriptions



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### Electrical and Computer Engineering (Undergraduate)

*In addition to prerequisites listed for individual courses, ENGL 1020\*, COMM 1500, and EE 2900 are prerequisite to all upper division EE courses.*

*\*Students subject to catalogs prior to 1997-1999 satisfy this prerequisite with ENGL 1010 or 1900.*

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **EE 3810 - Sensors, Data Acquisition, and Instrumentation with Applications in Biomedical Engineering**

(3)

Pre-requisites: EE 2049. Co-requisite: EE 2440. Commonly used sensor technologies and measurements in engineering systems, hardware interfaces, data collection; practical applications of sensors and instrumentation in biomedical engineering.

- **EE 4009 - Professional Engineering Practice**

(1)

Prerequisites: Permission is granted by department under the following conditions: acceptance by the corresponding worksite; junior, senior, or graduate standing; minimum of 2.5 GPA for undergraduates and 3.00 for graduates. Integration of Electrical Engineering work experience with academic program individually planned through industry mentors under unpaid internship. Minimum of 10 hours per week required. Letter of completion by industry mentor and submission of title page with abstract are required. Graded CR/NC.

- **EE 4130 - Systems Engineering**



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(3)

Prerequisite: EE 3600. System definitions and concepts; systems age; systems engineering process; conceptual, preliminary, and detail system design; system test and evaluation; systems engineering planning, organization, and management.

- **EE 4200 - Digital Communication Systems**

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(3)

Prerequisites: EE3200, EE 3040. Sampling theorem and aliasing error; random process and white noise; source encoders and decoders; Pulse Code Modulation; matched filter; timing considerations; baseband systems; ASK, FSK, PSK; error analysis; design considerations.

- **EE 4210 - Coding for Communications**

---

(3)

Prerequisite: EE 3200. Channel coding principles and practice; linear block and convolutional coding and decoding; iterative decoding.

- **EE 4220 - Digital Signal Processing**

---

(3)

Prerequisite: EE 3200. Sampling, A/D conversion; discrete linear system theory; Z-transform; digital filters, recursive and nonrecursive designs; quantization effects; fast Fourier transform; windowing.

- **EE 4229 - Digital Signal Processing Laboratory**

---

(1)

Prerequisite: EE 3020. Prerequisite or Corequisite: EE 4220. Graphical computing and data acquisition technique via LabVIEW to solve Electrical Engineering problems.

- **EE 4230 - Antennas**

---

(3)

Prerequisite or Corequisite: EE 3050. Dipole, loop, aperture, and other antennas; array theory, antenna patterns, and pattern multiplication; radiation resistance, directivity, and gain; antenna synthesis and design.

- **EE 4240 - Fiber Optics**

---

(3)

Prerequisites: EE 3200. Generation, transmission, and modulation of light beams, propagation of optical beams in homogeneous and inhomogeneous media; integrated optics; optical sources and detectors.

- **EE 4250 - Digital Image Processing**

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(3)

Prerequisite: EE 3200. Digital image fundamentals, point operations, morphological image processing, image

transforms, noise reduction and image restoration, and image segmentation and feature extraction.

- **EE 4260 - Introduction to Fourier Analysis and Applications**

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(3)

Pre-requisites: Students must be senior undergraduates or have obtained a BS degree in Electrical Engineering or one of the related Engineering and technology fields (e.g., Mathematics, Physics, other Engineering and science disciplines) from a regionally accredited institution. Foundations of Fourier analysis. Fourier series and integrals and their applications.

- **EE 4261 - Basic Principles of Radar**

---

(3)

Pre-requisites: Students must be senior undergraduates or have obtained a BS degree in Electrical Engineering or one of the related Engineering and technology fields (e.g., Mathematics, Physics, other Engineering and science disciplines) from a regionally accredited institution. Principles of operation of radar. Application of signal classification and parameter estimation to radar. Fabrication and testing of radar systems and their application.

- **EE 4262 - Radar Measurement, Modeling and Target Tracking**

---

(3)

Pre-requisites: Students must be senior undergraduates or have obtained a BS degree in Electrical Engineering or one of the related Engineering and technology fields (e.g., Mathematics, Physics, other Engineering and science disciplines) from a regionally accredited institution. Foundations of modeling and target tracking in radar applications. Parameter estimation and Kalman filtering with application to target tracking. System architecture for single and multiple target tracking.

- **EE 4300 - Introduction to Power Systems Engineering**

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(3)

Prerequisite: EE 3300. Introduction to power system modeling (generators and transformers); per unit systems; modeling of transmission lines..

- **EE 4310 - Power Systems Analysis**

---

(3)

Prerequisite: EE 4300. Load-flow studies, load-flow control, symmetrical components, short circuits on machines and systems, system protection, elements of system stability, economic operation.

- **EE 4320 - Electric Power Distribution**

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(3)

Prerequisite: EE4300. Planning, designing and analyzing electric power distribution systems. Distribution circuits, and equipment. Underground and overhead power distribution, protection of distribution circuits, equipment and loads. Power quality. Distribution economics.

- **EE 4330 - Power Electronics**

---

(3)

Prerequisite: EE 3700. Electrical and thermal characteristics of power thyristors, BJTs and FETs, diodes, triacs, diacs, and UJTs; applications in energy conversion and control switching power supplies, converters, and inverters.

- **EE 4340 - Electromagnetic Energy Conversion**

---

(3)

Prerequisite: EE 3300. Analysis of realistic machine performance; steady state and dynamic response of d-c, synchronous and induction machines; fractional horsepower a-c motors.

- **EE 4400 - Data Communications and Networking**

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(3)

Prerequisite: EE 3200. Data network principles, architectures, and protocols; flow control, error control, media access control, routing and addressing; TCP/IP protocol suite.

- **EE 4420 - Multimedia Networking**

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(3)

Prerequisites: EE4400, knowledge of MATLAB. Principles, protocols and systems of multimedia networking; video/audio compression standards (MPEG-x, H.264/265); real-time transport protocol; QoS in video streaming; multimedia over Internet; design of real-time transmission systems.

- **EE 4440 - Computer Organization**

---

(3)

Prerequisite: EE 3450. MIPS instruction set architecture; implementing C programs in MIPS assembly; RISC datapath design; finite-state machine control; performance and power trade-offs; design and simulation using Verilog Hardware Description Language.

- **EE 4450 - Embedded Architectures**

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(3)

Prerequisite: EE 3450. Introduction to embedded systems, hardware/software co-design, modeling of embedded architectures, and design of embedded applications

- **EE 4480 - Advanced Digital Design**

---

(3)

Prerequisites: EE 2449 and EE 3450. Design of digital systems using modern programmable devices (PLDs and FPGAs); contemporary design tools and Verilog hardware description language; behavioral and structural modeling, simulation, design for synthesis, and hardware verification. Lecture 2 hours, laboratory 3 hours.

- **EE 4490 - Introduction to Computer Systems**

---

(3)

Prerequisites: EE 2440, EE 2450. Introduction to processor designs, memory system, I/O technologies, and operating systems.

- **EE 4540 - Special Topics in Electrical Engineering**

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(1-3)

Prerequisites: Senior standing in Electrical Engineering; enrollment subject to approval of instructor in charge. Permission needed by the department. Study of selected topics not currently offered as technical electives. May be repeated for credit.

- **EE 4600 - Control Systems II**

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(3)

Prerequisite: EE 3600. Control systems analysis and design by the frequency-response method; lag and lead compensators; modified PID controllers; introduction to state space control systems.

- **EE 4610 - Discrete-Time Control Systems**

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(3)

Prerequisite: EE 3020. Discrete systems; Z-transform; digital controllers; stability analysis of discrete systems; design of discrete systems; introduction to state space representation of discrete systems.

- **EE 4620 - Modern Control Systems**

---

(3)

Prerequisite: EE 3020. Fundamentals of matrix algebra; eigenvalues and eigenvectors; state variables; state space representation of systems; solution of state equations; square matrices and Cayley-Hamilton theorem; analysis of continuous systems..

- **EE 4689 - Control Systems Laboratory**

---

(1)

Prerequisite or corequisite: EE 3600. Analysis and design of fundamental control systems by model and full-scale construction in laboratory, and by employing root-locus, frequency response, analog simulation, and other standard techniques. Laboratory 3 hours.

- **EE 4710 - Analog Integrated Circuits**

---

(3)

Prerequisite: EE 3710. An introduction to the IC fabrication process.; analysis, design, and characteristics of operational amplifiers and the differential input stage, gain stage, and output stage as well as biasing circuits.

- **EE 4720 - CMOS VLSI Design**

---

(3)

Prerequisites: EE 3720. CMOS VLSI process technology, VLSI design flow from schematic capture to fabrication and testing, design and simulation using CAD tools.

- **EE 4730 - Optoelectronics**

---

(3)

Prerequisite: EE 3700. Characteristics and applications of optoelectronic devices and systems including photodiodes and phototransistors, image sensors, light-emitting diodes and laser diodes, and fiber optic system components.

- **EE 4810 - Biomedical Devices**

---

(3)

Prerequisites: EE2040, EE3810. Introduction to engineering of biomedical devices; use of electronic circuit design in medical instrumentation with a focus on implantable devices; electronic device design of neural prostheses and signal conditioning circuitry.

- **EE 4820 - Biomedical Signal Processing**

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(3)

Prerequisites: EE 3020, EE 3810. Signal processing techniques to analyze bioelectrical signals for biomedical applications, such as diagnostics of neurological disorders and development of neurostimulation therapies.

- **EE 4961 - Senior Design I**

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(3)

Prerequisites: Completion of blocks A and B4, an additional course from block B, and at least one course each from blocks C and D ;EE3020;EE3450;EE3600;EE3810; EE3000; EE3010. Study of engineering design processes; selection of a design project focusing on typical problems encountered in engineering practice; develop a detailed design plan; understand engineering solutions and profession in broader context.

**Meets UD (wi) and (cl) requirements**

- **EE 4962 - Senior Design II**

---

(3)

Prerequisite: EE 4961 with grade of C or higher. Permission needed by department. Implement the project design developed in EE4961, complete the entire design process, present the design in both written and oral formats. Develop a broader understanding of engineering solutions as well as professional ethics.

**Meets UD (wi) requirement**

- **EE 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Permission needed by department. Project selected in conference with the sponsor before registration; progress meeting held regularly, and a final report submitted. May be repeated for credit.

### **Electrical and Computer Engineering (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **EE 5130 - System Analysis and Design**

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(3)

Prerequisite: EE 4130. Alternative system designs for decision making; models for economic evaluations; system optimization in design and operation; queuing systems; control concepts in system design.

- **EE 5140 - Systems Risk Analysis**

---

(3)

Prerequisite: EE 4130. Elements and types of engineering risk; probabilistic risk assessment; risk scenarios; failure trees; event trees; uncertainty analysis; risk identification and ranking; decision making using risk information.

- **EE 5150 - Systems Performance Analysis**

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(3)

Prerequisite: EE 4130. Engineering reliability evaluation and analysis; mechanical and human reliability; engineering maintainability and maintenance; design considerations for system reliability and maintainability; maintenance life cycle costing.

- **EE 5160 - Systems Architecture**

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(3)

Prerequisite: EE 4130. Complexity and systems architecture; heuristics; builder-architected, manufacturing, social, software/information technology, and collaborative systems; integrated modeling.

- **EE 5200 - Advanced Digital Communications I**

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(3)

Prerequisites: EE 3040, EE 4200. Introduction to stochastic processes, spectral analysis of signals, narrowband processes, elements of detection and estimation theory.

- **EE 5210 - Advanced Digital Communications II**

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(3)

Prerequisites: EE 5200. Classification of detection problems; receiver front-end architectures; coherent, incoherent and differential detection; symbol and bit error rate evaluation and bounding techniques; power spectral density; transmission through linear filtering channels and Inter-Symbol-Interference.

- **EE 5220 - Principles of Signal Compression**

---

(3)

Prerequisites: EE 3040, EE 4200. Elements of information theory; quantization of continuous sources; lossless and universal compression techniques; lossy compression toolbox; application examples and standards; video compression standards.

- **EE 5230 - Wireless Communications**

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(3)

Prerequisite: EE 5200. Corequisite: EE 5210. Analysis and design of wireless communication systems at the link level, multiple access techniques, MIMO and Multiuser detection techniques, wireless networking, and introduction to wireless protocols and standards.

- **EE 5240 - Computer Aided Design of Communication Systems**

---

(3)

Prerequisite: EE 5200 and EE 5210. Theory and practice of digital Monte Carlo time-domain simulation of digital transmission systems including linear and nonlinear system modeling, performance evaluation, and computer efficient simulation techniques. Applications to radio relay links, satellite and wireless communications.

- **EE 5250 - Optical Communications**

---

(3)

Prerequisite: EE 5200 and EE 5210. Analysis and design of optical communication systems, terrestrial fiber optic systems and free space laser communication systems. Optical sources, detectors, and optical system components. Acquisition, tracking and pointing. Optical networks.

- **EE 5330 - Computer Method in Power Systems**

---

(3)

Prerequisites: EE 3020, EE 4310. Algorithms for formulation of network matrices; short-circuit studies on computers; iterative solutions of algebraic and differential equations; digital computer techniques for load flow.

- **EE 5340 - Power System Stability**

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(3)

Prerequisites: EE 3600, Corequisite: EE5330. Steady state and transient stability of electric power systems; Stability criterion; modeling of power system for dynamic studies; digital computer techniques applied to power system stability.

- **EE 5350 - Power Systems Protection**

---

(3)

Prerequisite: EE 4310. Philosophy, purpose and goals of power system protective relaying; electromechanical and digital relays; instrument transformers; directional, overcurrent, distance and differential protection; protective relay schemes.

- **EE 5360 - Renewable Energies in Power Systems**

---

(3)

Prerequisite: EE 4320. Features of renewable energy sources, issues of power systems with high penetration of renewables, power balance/frequency control, modeling and simulation of wind and photovoltaic units, Storage systems. Graded ABCDF.

- **EE 5370 - Faulted Power Systems**

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(3)

Prerequisites: EE 4310. Analysis of symmetrical and unsymmetrical faults in electric power systems; computation of fault currents; applications.

- **EE 5400 - Advanced Computer Networks**

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(3)

Prerequisite: EE 4400. Advanced topics in computer networks, including VLAN and data center networking, unicast and multicast routing, traffic engineering, mobility management and mobile IP, content distribution and open-architecture network design.

- **EE 5410 - Mobile Ad Hoc Networks**

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(3)

Prerequisites: EE4400. Principles, practices, and research topics on Ad Hoc Networks and Security. MAC layer design (IEEE802.11, MACAW), routing (DSR, AODV, LAR), cryptography, authentication, access control and security protocols (WEP, WPA).

- **EE 5440 - Computer System Architecture**

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(3)

Prerequisite: EE 4440. Current Technologies in computer architecture including instruction set architectures, memory system, parallel architectures, and super-computing.

- **EE 5450 - Advanced Topics in Embedded Systems**

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(3)

Prerequisites: EE 4450. Embedded system design methodology, advanced embedded architectures, high performance embedded computing, and real-time operating system.

- **EE 5480 - Advanced Topics in Computer Architecture**

---

(3)

Prerequisites: EE 5440. Study of emerging research areas in computer systems including: energy optimizations, power management, memory architectures and optimizations, heterogeneous computing, re-configurable architectures, graphics engines, accelerators, and big data scale computing.

- **EE 5540 - Special Topics in Electrical Engineering**

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(3)

Prerequisite: Graduate standing in Electrical Engineering. Study of selected graduate level topics not currently offered in the graduate program. The topics of the course and its content shall be established by the instructor offering the course. Permission needed by department. May be repeated for credit.



- **EE 5600 - Linear Systems Analysis**

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(3)

Prerequisite: EE 4620. Vector spaces; Lyapunov stability analysis for linear systems; controllability; observability; stabilizability; detectability; Kalman canonical forms; relation between state space and transfer function; system irreducibility; state and output feedback system design; separation principle; design of decoupled systems.

- **EE 5610 - Stochastic Systems and Estimation**

---

(3)

Prerequisite: EE3034, 3600. Study of emerging research areas in computer systems including: energy optimizations, power management, memory architectures and optimizations, heterogeneous computing, re-configurable architectures, graphics engines, accelerators, and big data scale computing.

- **EE 5620 - Advanced Digital Control Systems**

---

(3)

Prerequisite: EE 4610 and EE 4620. Fundamentals and mathematical representation of discrete systems; signal flow graph representation and simplification; state space equations and their solution with sample and hold; decoupling; phase variable canonical forms; state diagrams; stability.

- **EE 5630 - Optimal Control Theory**

---

(3)

Prerequisite: EE 4620. Optimal control problem; performance measures; principle of optimality; dynamic programming; Hamilton-Jacobi-Bellman equation; variational approach; constrained extrema; Pontryagin principle; singularity cases; minimum time and control effort problems.

- **EE 5820 - Neural Computation**

---

(3)

Prerequisites: EE 3040, EE 4820. Computation and coding in the human nervous system and applications of these computational models to biomedical problems related to neural systems, models of signal generation, encoding, and decoding performed by the nervous system.

- **EE 5950 - Graduate Design and Research Methodology**

---

(3)

Prerequisite: Graduate standing. General research methodology and system design principles and process. Development of system design specs; system requirement development; preliminary design and simulation; system design iteration and optimization; Requirement flow down; Subsystem design and simulation; Requirement vs. design trade off. Graded CR/NC.

- **EE 5960 - Comprehensive Examination**

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(0)

Prerequisites: Permission needed by department. Students who select the comprehensive examination should expect to take it the quarter they complete all course work on their program, and must comply with college and department

requirements. Grade CR/NC

- **EE 5970 - Graduate Research**

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(1-3)

Prerequisites: Permission needed by department. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Grade CR/ NC. Instructor consent to act as sponsor, departmental approval of project prior to registration.

- **EE 5980 - Graduate Directed Study**

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(1-3)

Prerequisites: Permission needed by department. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit. Instructor consent to act as sponsor.

- **EE 5990 - Thesis**

---

(1-3)

Prerequisites: Permission needed by department. Independent research in a thesis. Must be repeated to maximum of 4 units. Graded CR/ NC. Advancement to candidacy, instructor consent to act as sponsor, college approval of the topic prior to registration.

- **EE 9000 - Graduate Studies**

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(0)

Prerequisite: EE 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Electronics and Internetworking (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 1200 - Practical Electronics**

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(3)

DC circuits; hands-on experiences in using VOM and DVM for basic electrical measurement and troubleshooting. Lecture 1 1/2 hours, laboratory 4 1/2 hours. Hands-on applications of electronics with emphasis on how different electronic components and circuits work; project construction to stimulate students understanding of electronics.

- **TECH 2900 - Tech Program Applicable**

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(1-3)

Contact Department of Technology for information.

- **TECH 4210 - Internetworking Technology**

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(3)

LAN, WAN to Internet, TCP/IP, LAN devices, network access and cabling, Ethernet, network, transport and application layers, IP addressing, subnetting, and routing.

- **TECH 4220 - Router Configurations**

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(3)

Prerequisite: TECH 4210. The course covers the WANS, Cisco Router and its configuration, Cisco Internetworking Operating System (IOS), distance vector routing protocols like RIP and IGRP, intermediate TCP/IP, ACLS, and basic router troubleshooting.

- **TECH 4230 - Intermediate Routing and LAN Switching**

---

(3)

Prerequisite: TECH 4210. The topics of classless IP addressing techniques: VLSM and CIDR, single area OSPF and EIGRP routing, LAN switching and design, switch configuration, Spanning Tree Protocol, VLANs, and VLAN trunking protocol.

- **TECH 4240 - Wide Area Networks**

---

(3)

Prerequisite: TECH 4210. Addresses Scaling with NAT and DHCP, WAN physical and data link protocols, WAN connections, LAN/WAN case study, PPP, ISDN, DDR, Frame Relay, network management, and CCNA certification preparation.

- **TECH 4720 - Photovoltaic Applications**

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(3)

Prerequisite: TECH 3700 or consent of instructor. Solar photovoltaic principles, wafer and module production, systems and applications. Component and system performance, site assessment, grid and stand-alone system design. Associated electrical and control technologies.

- **TECH 4740 - Fuel Cell Applications and Hydrogen Infrastructure**

---

(3)

Prerequisite: TECH 3700 or consent of instructor. Electro-physical processes in fuel cells, performance, components, various types of fuel cells, fuel cell vehicles, distributed power generation. Hydrogen economy, properties, production, storage, infrastructure, safety.

### **English (Undergraduate)**

*Eligibility for courses that satisfy the General Education written communication requirement (ENGL 1005A/B, and ENGL 1010) will be determined by the results of the English Placement Test (EPT), which students must take before they may register for any of these courses.*

- **ENGL 1000 - Supplemental Writing Practice**

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(1)

Prerequisite: Permission of the instructor, concurrent enrollment in English 1005B or 1010 or other designated course. Supplemental practice in revising and editing essays. Regular meetings with Writing Center tutor. May be repeated to maximum of 4 units. Graded CR/NC.

- ENGL 1004 - Introduction to College Writing

---

(3)

Prerequisites: English Placement Test and completion of directed self-placement. Frequent essays based on reading and responding to expository prose; instruction in expository writing conventions and critical reading strategies. Graded ABC/NC. Not open to students with credit for this course, an equivalent, or a higher level English composition course. Students with two NC grades may not enroll again.

- ENGL 1005A - College Writing I

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(3)

Prerequisites: English Placement Test (EPT) and completion of directed self-placement. First course in two term sequence (1005AB) focused on reading and writing to develop and communicate ideas. Instruction in strategies for planning, composing, and revising college writing that incorporates authorities, examples, arguments, and facts to write developed, supported texts. Graded A,B,C/NC.

- ENGL 1005B - College Writing II

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(3)

Prerequisite: ENGL 1005A. Second course in two-term sequence (1005AB). Focused on reading and writing to develop and communicate ideas. Instruction in strategies for planning, composing, and revising college writing that incorporates authorities, examples, arguments, and facts to write developed, supported texts. Graded A,B,C/NC.

**GE A2**

- ENGL 1010 - Accelerated College Writing

---

(3)

Prerequisites: English Placement Test (EPT) and completion of directed self-placement or completion of ENGL 1004. Reading and writing to develop and communicate ideas. Instruction in strategies for planning, composing, and revising college writing that incorporates authorities, examples, arguments, and facts to write developed, supported texts. Graded A,B,C/NC.

**CI-D ENGL 100:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE A2**

- ENGL 1050 - Argumentative Writing and Critical Thinking

---

(3)

Prerequisite: ENGL 1005B, ENGL 1010, or equivalent. Instruction in argumentation and critical writing, critical thinking,

analytical evaluation of texts, research strategies, information literacy, and proper documentation.

**CI-D ENGL 105:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE A3**

- ENGL 1665 - Introduction to Science Fiction

(also listed as LBS 1665)

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(3)

Historical survey of key themes, texts, figures, and movements in English-language science fiction.

**GE C2 (wi)**

- ENGL 2010 - Intermediate College Writing (3)

---

(3)

Prerequisite: ENGL 1005B, ENGL 1010, or equivalent. Building upon the rhetorical skills developed in ENGL 1005AB or ENGL 1010, students will develop analytical, interpretive, and information literacy skills necessary for writing a well-supported, researched, academic argument. Continued instruction in strategies for generating, revising, editing, and proofreading writing.

- ENGL 2030 - Introduction to Technical Writing

---

(3)

Prerequisite: ENGL 1010. Introduction to the methods of and practice in organizing, developing, and expressing technical information and ideas to a variety of audiences; emphasis on understanding the rhetorical situation and developing a clear style.

- ENGL 2070 - Beginning Creative Writing

---

(3)

A beginning creative writing workshop that introduces students to techniques of imaginative writing in fiction, poetry, and drama in a constructive workshop setting that includes analysis of published literary works.

**CI-D ENGL 200:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C1**

- ENGL 2090 - Introduction to Playwriting

**(also listed as TA 2760)**

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(3)

Prerequisite: ENGL 2700 or 2800 or TA 1500 or instructor consent. Collaborative approach to writing for the stage; emphasizes writing practices and process; introduction to dramaturgy and critical feedback.

- ENGL 2100 - Language and Society

**Also listed as ANTH 2300**

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(3)

An introduction to linguistics as a social science. Exploration of the relationship of language to a variety of social issues including race, class, and gender.

**GE D**

- ENGL 2260 - A Journey Through World Cinema

**(also listed as TVF 2260)**

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(3)

Critical survey of world cinema as art and cultural artifact. Provides critical methodology and practical tools for analyzing and interpreting international film movements, genres and themes.

**GE C1**

- ENGL 2310 - Gods, Monsters, and Heroes in World Mythology

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(3)

Analysis and interpretation of dominant myths in representative works of world fiction, drama, and poetry; critical compositions.

**GE C2**

- ENGL 2600 - Literary Los Angeles

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(3)

Introduction to literature of Los Angeles and the effects of place and culture on the area's literary production through close study of works about Los Angeles in a variety of genres.

**GE C2**

- ENGL 2665 - Multicultural Science Fiction

**(also listed as LBS 2665)**

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(3)

Prerequisite: GE A2. Science fiction literature produced by Asian American, African American, Euro- American, Latina/o, and Native American authors.

**GE C2; (re)**

- ENGL 2700 - Why Literature Matters

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(3)

Why does literature matter? Cultivation of lifelong reading interests and strategies through critical engagement with literature from multiple cultures, periods, and genres (fiction, poetry, drama, nonfiction). Writing intensive.

**CI-D ENGL 120:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C2 (wi)**

- **ENGL 2710 - Contemporary World Literature**

---

(3)

Introduction to contemporary world literatures in English or in English translation. Through selected readings from diverse world authors, students will become familiar with different literary traditions and cultural and historical experiences.

**GE C2**

- **ENGL 2730 - Fictions of Gender and Sexuality**

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(3)

Examination of literary and cultural representations of gender and sexuality with special attention to intersections with race, class, and transnational contexts.

**GE C2**

- **ENGL 2760 - Pulp Fictions and Popular Literatures**

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(3)

Study of popular literature written in established genres such as crime, fantasy, horror, romance, science fiction, and western.

**GE C2**

- **ENGL 2800 - Shakespeare and Popular Culture**

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(3)

Shakespeare's plays and their afterlives as expressed in theater, film, literature, music, dance, the visual and material arts. Individual and collaborative critical analysis, scene work, and creative adaptations.

**GE C1**

- **ENGL 2900 - English Tutorial: Reading and Writing in the Major**

---

(3)

Prerequisite: Satisfactory completion of GE Block A. Small cohorts receive intensive English studies training in close critical reading, use of disciplinary terminology and modes of inquiry, and analytical writing. Emphasis on depth, not

breadth. Writing intensive.

(wi)

- ENGL 3010 - Advanced College Writing

(3)

Prerequisite: Satisfactory completion of the GE Block A. Instruction for students in all disciplines in methods of and practice in college writing; emphasis on critical reading and writing and advanced rhetorical issues including invention strategies, arrangement, selecting and analyzing evidence, and developing an appropriate style.



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# University Catalog

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### English (Undergraduate)

*Eligibility for courses that satisfy the General Education written communication requirement (ENGL 1005A/B, and ENGL 1010) will be determined by the results of the English Placement Test (EPT), which students must take before they may register for any of these courses.*

- **ENGL 3030 - Professional and Technical Writing**

(3)

Methods of and practice in writing professional documents, reports, proposals, and other workplace writing; emphasis on understanding the rhetorical situation and developing a clear style.

- **ENGL 3050 - Issues in Writing Pedagogy**

(3)

Pre- or co-requisite: ENGL 2900. Field experience and concurrent enrollment in 1 unit of ENGL 398 required for students seeking certification of subject area competency through the Single Subject Teaching option. Review of research in written expression and writing pedagogy, examination of theories of composition and discourse, and practice in applying and evaluating these theories; includes component on teaching grammar.

- **ENGL 3060 - Discourse Analysis for Language Studies**

(3)

Prerequisite: Satisfactory completion of the GE Block A. Study of various forms of public discourse using linguistic, social, and rhetorical approaches. Context and genre-specific textual analysis examines the ways rhetors employ language to give voice to the subjects of texts. Writing intensive.

- ENGL 3100 - Readings on the English Language

---

(3)

Pre- or co-requisite: ENGL 2900. Introduction to the analytic study of the English language through history and structure of spoken and written varieties of English, including background on the literary history of English and the history of English lexicography and grammar; investigations of stylistic and rhetorical features of major authors as a means of determining authorship. May include a civic learning option.

- ENGL 3200 - Readings in Theory

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(3)

Pre- or co-requisite: ENGL 2900. Readings in major theoretical texts reflecting variously the periods and movements central to literary critical thought, aesthetics, and theory.

- ENGL 3300 - Readings in Ancient World and Medieval British Literatures

---

(3)

Pre- or co-requisite: ENGL 2900. Introduction to the literary and cultural historical foundations of western literature as well as the origins of the English language and literature through a reading of selected texts.

- ENGL 3400 - Readings in British Literature: Renaissance to Modern

---

(3)

Pre- or co-requisite: ENGL 2900. Introduction to the study of British literature and culture, including key authors, movements and traditions in their historical, literary, and aesthetic contexts.

- ENGL 3600 - Readings in American Literature(s)

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(3)

Pre- or co-requisite: ENGL 2900. Readings in representative works of American literature, reflecting the formal and thematic variety that has defined this literature, and including the contributions of minor authors and movements.

- ENGL 3700 - Readings in Modern and Contemporary World Literatures

---

(3)

Pre- or co-requisite: ENGL 2900. Introduction to modern and contemporary world literatures in English or in English translation. Through selected readings from diverse world authors, students will become familiar with different literary modes and cultural and historical experiences.

- ENGL 3810 - Literary Explorations of Racism and Justice

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**(also listed as PAS 3810)**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of the literary depiction of racism and justice, with emphasis on the treatment of civil rights issues in fiction, drama, and poetry.

**UD GE C; (re)**

- **ENGL 3815 - Money and Meaning**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of literary works devoted to economic themes; texts are drawn from various periods and contexts.

**UD GE C (ci)**

- **ENGL 3820 - The Body in Literature and Culture**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of the body and its representation in literary, aesthetic, philosophical, religious, political, and other discourses.

**UD GE C (ci)**

- **ENGL 3822 - Ethnicity and Emotions in U.S. Film**

**(also listed as PAS 3822)**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critical analysis of the representations of ethnicity and emotions in U.S. film.

**UD GE C; (re)**

- **ENGL 3825 - Psychology in Fairy Tales and Fantasy Literature**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploration of how the rich literary heritage of fairy tales and fantasy literature informs our current notions of what it is to be human and how we can use literature to confront our deepest feelings.

**GE UD C; (wi)**

- **ENGL 3830 - Gender and Sexuality in Popular Culture**

**(also listed as TVF 3830)**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Survey and critical analysis of narrative and visual representations of gender and sexuality in the modes of popular culture, such as television, film, advertising, popular fiction, and the tabloid press.

**UD GE C (d)**

- ENGL 3835 - Sex and Gender in Language and Literature

(also listed as COMM 3835)

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of concepts of sex, gender as experienced in language and literature. Comparative language behavior of women and men as revealed in research on communication and in representative literary works, both classical and modern.

**UD GE C (d)**

- ENGL 3840 - Aging in Literature

(3)

Prerequisites: Completion of (Blocks A and B4), an additional course from Block B, and at least one course each from Blocks C and D. Examines representations of old age in literary works from a range of periods, forms, genres, and cultures. Examines the part that aging plays in human experience.

**UD GE C (c1)**

- ENGL 3850 - Violence, Ethics and Literature

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Thematic and critical examination of representations of violence in literature. Will consider violence across historical, racial, sexual, generational, and cultural boundaries.

**UD GE C (c1)**

- ENGL 3855 - Crimes, Scenes, Interpretations: Literature and the Law

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of the relationship between law and literature, including literary depictions of crime and punishment.

**UD GE C (c1)**

- ENGL 3900 - Research Tutorial and Symposium

(3)

Prerequisite: ENGL 2900. Intensive introduction to research methods common to advanced undergraduate work in English studies in a seminar setting culminating in the planning and staging of a research symposium. Writing intensive. (wi)

- ENGL 3920 - Statement and Literary Magazine Editing

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(1-3)

Prerequisite: Consent of faculty member advising the course. Techniques of editing and producing literary magazines. May be repeated to maximum of 6 units. Graded CR/NC.

- ENGL 3980 - Cooperative Education

**UNIV 398**

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(1-6)

Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- ENGL 4011 - Practicum in Tutoring English

(2)

Discussion of composition theory, linguistic theory, and connections between reading and writing. Practice in effective tutoring methods in various educational situations. Lecture 2 hours, lab 4 hours. Graded CR/NC.

- ENGL 4020 - Evolving Literacies, Cultures, and Writing Technologies

(3)

Prerequisite: ENGL 2900. Analysis of how new media has changed rhetoric, writing, literature and literacy, and the production and consumption of information. Study of how new media influences social interaction and world change. Some sections may include a civic learning option. Writing intensive.

**(wi)**

- ENGL 4060 - Writing Nonfiction

(3)

Prerequisite: English 2070 or its equivalent, or instructor consent. Methods of and practice in writing documentary, biographical, and other nonfiction prose; emphasis on style, detail, effective development. Writing intensive. May be repeated to a maximum of 12 units.

- ENGL 4070 - Writing Fiction

(3)

Prerequisite: English 2070 or its equivalent, or instructor consent. Instruction in the technique and art of writing fiction. Writing intensive. May be repeated to maximum of 12 units.

- ENGL 4080 - Writing Poetry

(3)

Prerequisite: English 2070 or its equivalent, or instructor consent. Instruction in the technique and art of writing poetry. Writing intensive. May be repeated to maximum of 12 units.

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## ENGL 4100 - Introduction to Linguistics

(also listed as ANTH 4710)

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(3)

Descriptive and historical study of language; problems of data collection and techniques of analysis, linguistic structure, language classification, language families of the world, language in its socio-cultural setting.

- ENGL 4101 - Introduction to English Linguistics

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(3)

Introduction to linguistic theory; elementary structural analysis of phonetics, phonology, morphology, syntax, and semantics; discussing varieties of usage. Theories of language, language acquisition and variation. May include a civic learning option.

- ENGL 4110 - History of the English Language

---

(3)

Principles of historical linguistics, regularity of structural changes in phonology, morphology and syntax; the history of vocabulary and lexicography; external cultural history; prescriptive and descriptive grammar; American and Black English dialects.

- ENGL 4111 - Topics in the History of the English Language

---

(3)

Application of historical linguistics. Discussion may focus on prehistoric developments; dialectology; the influence of printing; prescriptive and descriptive grammatical traditions; lexicography; American dialects or and Black English in relation to world creoles.

- ENGL 4120 - Language in Space and Time

---

(3)

Prerequisite: ENGL 3100 or instructor consent. Explores areal and historical linguistics, analyzing how languages converge in cultural areas and the principles of historical change. Covers variable areas depending on the instructor (e.g. Mesoamerica, Zapotec, Indo-European, the Balkans)

- ENGL 4130 - Language and Culture

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(also listed as ANTH 470)

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(3)

Prerequisite: ANTH 1500. Survey of approaches and studies illustrating variations in the relation of habitual thought and behavior to language.

- ENGL 4170 - Modern English Grammar

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(3)

Prerequisites: ENGL 3100, ENGL 4101, or instructor consent. Formal and functional analysis of English morphology and syntax including discussion of lexical categories, phrase structure rules, movement, and typological classification. Analysis of common problems relating to orthography, style, and usage.

- ENGL 4180 - Issues in English Language Teaching

---

(3)

Prerequisite: ENGL 2900, pre- or co-requisite ENGL 3100, or instructor consent. Linguistic topics of import to future teachers such as basic pedagogical grammar, academic literacy, the acquisition of literacy, first and second language acquisition, and bilingualism.

- ENGL 4200 - Topics in Theory

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3200. Variable content course in which each offering studies in-depth a selected topic in literary or cultural theory. May be repeated for credit as content changes (up to 6 units).

- ENGL 4205 - Signs, Texts, Meaning: An Introduction to Semiotics

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3100 or ENGL 3200. Introduction to semiotics, including germinal formulations in the field and its application in the domains of philosophy, literary criticism, linguistics, and cultural analysis.

- ENGL 4210 - Cultural Studies and Literature

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3200. Survey of the history of cultural studies; introduction to the basic concepts of cultural studies, including mass, popular, and subcultures; cultural analysis of literary texts. Some sections may include a service learning option.

- ENGL 4260 - Film and Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3200. Critical study of films adapted from literary sources along with analysis of original literature for purpose of contrasting the media. May be repeated to a maximum of 8 units as subject matter changes.

- ENGL 4303 - The Bible as Literature: Old and New Testaments

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3300. Historical, cultural, and mythological significance of both Testaments.

- ENGL 4305 - The Medieval Amatory Tradition

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3300. The tradition of medieval amatory literature, emphasizing a variety of genres (lyric, epic, romance, prose tract) from various nations, languages, and cultures in the Middle Ages.

- ENGL 4306 - The Arthurian Tradition

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3300. A comparative study of the two most significant manifestations of the Arthurian tradition in European and American culture: the medieval Arthurian tradition and the 19th and 20th century Arthurian Revival.

- ENGL 4320 - Anglo-American Modernism

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3400 or ENGL 3600. Anglo-American literary modernism studied through authors such as Faulkner, Hemingway, James, Fitzgerald, Cather, Woolf, Joyce, Eliot, and Pound in their national and transnational contexts, exploring questions important to Anglo-American modernism.

- ENGL 4330 - Transnational Women Writers

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3400 or ENGL 3600 or ENGL 3700. Comparative examination of modern and contemporary women's literature within a global context.

- ENGL 4340 - Diasporic Literatures

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3700. Study of diasporic literatures using various interdisciplinary and transnational critical methodologies.

- ENGL 4370 - Greek and Roman Drama in Translation

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3300. Plays by Aeschylus, Sophocles, Euripides, Aristophanes, Seneca, Plautus, and Terence; characterization, style, focus, and problems of translation.

- ENGL 4371 - Medieval Drama

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3300. An intensive study of representative examples of the various genres of medieval drama from both the European continent and England.

- ENGL 4379 - Modern and Contemporary Poetry

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3400, ENGL 3600, or ENGL 3700. Foundations of modern and contemporary poetry in a global context. Study of significant 20th- and 21st-century works reflecting key movements and prominent figures in this period.



- ENGL 4401 - Medieval English Literature

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3300. Lyric poetry, epic and romantic narratives, and dramatic works, from Anglo-Saxon beginnings through fifteenth century, exclusive of Chaucer. Readings in Middle English and in translation.

- ENGL 4402 - Dramatic Literature of the English Renaissance

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Representative plays by Elizabethan and Jacobean dramatists exclusive of Shakespeare, e.g., Marlowe, Dekker, Webster, Jonson, Beaumont, and Fletcher.

- ENGL 4403 - The English Renaissance

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Nondramatic literature from Wyatt to Bacon; British and continental cultural, literary, and philosophical backgrounds.

- ENGL 4404 - Seventeenth-Century Literature

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Prose and poetry from Donne to Dryden, excluding Milton; literary, social and political backgrounds.

- ENGL 4405 - The Augustan Age

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Literature from Swift and Pope through Johnson; social and philosophical backgrounds.

- ENGL 4406 - The Romantic Age

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Prose and poetry from Blake to Keats; cultural and philosophical backgrounds.

- ENGL 4407 - The Victorian Age

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Prose and poetry of major Victorian writers; social and philosophical backgrounds.

- ENGL 4408 - Modern British Literature

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Representative works of British literature of the early 20th

century (1900-1950) will be examined in their cultural and aesthetic contexts.

- ENGL 4409 - Contemporary British Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. A survey of contemporary British Literature and analysis of genres, themes, ideologies, aesthetic innovations and contributions made by post-World War II British writers.

- ENGL 4421 - Chaucer

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Troilus and Criseyde, the Canterbury Tales, and selected minor poems as works of art and as reflections of culture and literary conventions of the time.

- ENGL 4422 - Piers Plowman

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3300. This course focuses on the four versions of William Langland's great Middle English 14th century poem Piers Plowman, offering close comparative study and historical contextualization of the various versions of poems.

- ENGL 4423 - Shakespeare I: Poetry and Performance

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Examination of representative plays from multiple genres as poetic texts and as performance scripts in historical contexts.

- ENGL 4424 - Shakespeare II

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Intensive study of four or five plays (and poems) not included in 417; range and diversity of Shakespeare's art in his time and ours.

- ENGL 4425 - Milton

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. Selected works of John Milton.

- ENGL 4460 - The British Novel: The Eighteenth Century

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. The development of the novel in Britain from late 17th century prose romance through 18th century comic and gothic to early 19th century realistic fiction studied through representative writers.

- ENGL 4461 - The British Novel: The Nineteenth Century

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. The novel in Britain from the late gothic and early realism up to the beginning of modernism studied through representative writers such as Shelley, Dickens, the Brontës, Thackeray, Gaskell, Eliot, Trollope, and Hardy.

- ENGL 4462 - The British Novel: The Twentieth Century

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3400. The novel in Britain from modernism to the present studied through representative writers such as Conrad, Joyce, Woolf, Forster, and Lawrence.

- ENGL 4510 - Approaches to Teaching Shakespeare's Plays

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(3)

Prerequisite: ENGL 4422, or ENGL 4423, or instructor consent. Extensive analysis of Shakespeare's language and implementation of performance pedagogy; using Shakespeare's sources, textual variants, performance history, cinematic adaptations, and online materials in the secondary classroom.

- ENGL 4540 - Selected Topics in Literature and Language

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(3)

Variable content course in which each offering focuses on a selected topic in literature, language, or theory. May be repeated to a maximum of 6 units.

- ENGL 4601 - American Literary History Before 1877

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3600. Study of American literary history from its beginnings to 1877, including such writers as Bradstreet, Dickinson, Edwards, Emerson, Hawthorne, Melville, Poe, Thoreau, and Dickinson.

- ENGL 4602 - American Literary History After 1877

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(3)

Prerequisites: ENGL 2900; pre- or co-requisite ENGL 3600. Representative writers of American realism, modernism, and postmodernism.

- ENGL 4630 - American Women Writers

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3600. Critical study of the literary achievements of American women, such as Stowe, Dickinson, Chopin, Wharton, Cather, Hurston, Porter, Morrison, and Kingston.

- ENGL 4660 - The American Novel I

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3600. Development of the American novel prior to the twentieth century. Significant works by American novelists (e.g., Brown, Cooper, Crane, Fern, Hawthorne, James, Melville, Sedgwick, Stowe, Twain).

- ENGL 4661 - The American Novel II

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(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3600. Development of the American novel in the twentieth and twenty-first centuries. Representative works by significant American novelists (e.g., Castillo, Cather, Dreiser, Fitzgerald, Faulkner, Hemingway, Gaddis, Morrison, Pynchon, Roth, Wallace, Wharton.).

- ENGL 4680 - The Politics of American Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3600. Considers the relationship of literature to American political life, including interventions made by literature in various historical contexts (e.g. abolitionism, anti-capitalist critique, reform literatures). May be repeated to a maximum of 6 units.

- ENGL 4690 - Ethnic Literature in the U.S.

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3600. Literature by modern ethnic writers in the U.S. May include, among others, Asian-American, African American, Euro- American, Latino/a, and Native American literature. May involve an optional service learning component.

- ENGL 4691 - Black American Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3600. Representative works of 19th and 20th century black American writers such as Forten, Chesnutt, Dunbar, Hughes, Hurston, Wright, Baldwin, Walker, Brooks.

- ENGL 4692 - U.S. Latino/a Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3600. Examines U.S. Latino/a Literature with attention to historical, cultural, and aesthetic contexts. Particular historical periods and Latino/a literatures under discussion may vary.

- ENGL 4693 - Asian American Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3600. Examines Asian American Literature with attention to

historical, cultural, and aesthetic contexts. Particular historical periods and Asian American literatures under discussion may vary.

- ENGL 4760 - Major Continental Fiction: Cervantes to Balzac

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3700. Representative works by European authors, e.g., Cervantes, Rousseau, Goethe, and Balzac.

- ENGL 4761 - Major Continental Fiction: Stendhal to Tolstoy

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3700. Representative works by European authors, e.g., Stendhal, Flaubert, Chekhov, Dostoyevsky, and Tolstoy.

- ENGL 4762 - Twentieth Century Continental Fiction

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3700. Representative works by European authors, e.g., Proust, Mann, Kafka, Sartre, and Camus.

- ENGL 4778 - Contemporary Drama: Continental, English, and American

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3700. Representative plays by such dramatists as Brecht, Lorca, Beckett, Sartre, Genet, Pinter, Miller, Williams. Modern poetic drama; epic, existential, and absurdist theatre; theatre of cruelty.

- ENGL 4780 - Latin American Literature in Translation

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3700, or instructor consent. Critical examination of Latin American literature, with emphasis on post-independence and modern periods.

- ENGL 4785 - Postcolonial Literature and Criticism

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite ENGL 3200 or ENGL 3700. In-depth study of postcolonial literature and theory through close reading of a representative selection of literary and critical works.

- ENGL 4801 - The English Court in Literature, Art, and Culture

---

(3)

Prerequisite: ENGL 2900; Pre- or co-requisite: ENGL 3400. Analysis of literary and visual representations of English courts and rulers; iconographic study of art, architecture, gardens, fashion, and other forms of cultural expression and political commentary.

- ENGL 4840 - Environment, Ecology, and Literature

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3200. Examination of literary and cultural representations of the environment and their relation to central issues in ecology and environmental ethics.

- ENGL 4860 - Fictions of Finance: Economic Criticism

---

(3)

Prerequisite: ENGL 2900; pre- or co-requisite: ENGL 3200. Explores the theory and practice of economic approaches to literary study.

- ENGL 4880 - Children's Literature

---

(3)

History, critical analysis, and evaluation of literature for children; role of literature in children's education. Some sections may include a civic learning option.

- ENGL 4910 - Practicum in the Teaching of Literature

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(3)

Prerequisites: English major with senior standing; field experience and concurrent enrollment in 1 unit of ENGL 398 required for Single Subject Credential students seeking certification of subject area competency. Instructional strategies for teaching forms of literature to middle and high school students assessment of interpretive and critical skills.

**Writing intensive. (wi)**

- ENGL 4920 - Seminar in Literature and Language

---

(3)

Prerequisite: English major with senior standing. English 4920 satisfies the upper division writing requirement for English majors. Variable content course in which each seminar studies in depth a selected topic in literature or language.

**(wi)**

- ENGL 4925 - Practicum in Literature and Language

---

(3)

Prerequisite: English major with senior standing. English 4925 satisfies the upper division writing requirement for English majors. A variable topic integrated culminating experience that embeds students' knowledge of language and literature in activities situated in concrete community, professional, and civic contexts. Writing intensive.

**(wi)**

- ENGL 4950 - Senior Capstone

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(1)

Prerequisite: English major with senior standing. Integration and assessment of students' cumulative experience as English majors through preparation of a reflective portfolio under direct faculty supervision. Graded CR/NC.

- ENGL 4990 - Undergraduate Directed Study

---

(1-3)

Prerequisites: Consent of an instructor to act as sponsor. Project selected in conference with sponsor. Maximum of 4 units accepted toward English major or minor. May be repeated to a maximum of 20 units for credit as content changes. Graded CR/NC.

### English (Graduate)

*Classified graduate standing is required for admission to all 5000 level courses.*

- ENGL 5001 - Theoretical Foundations of Literary Studies

---

(3)

Prerequisite: ENGL 3200, ENGL 4200, or equivalent. Introduction to the basic concepts and methods of contemporary trends in literary and critical theories.

- ENGL 5002 - Research Methods in Literary Studies

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(3)

Prerequisite: ENGL 3200, ENGL 4200, or equivalent. Advanced research methods, literary analysis, and essay writing; emphasis on practical strategies for interpreting literary texts.

- ENGL 5040 - Seminar: Theories of Composition and Rhetoric

---

(3)

Research in the theory and pedagogy of composition and rhetoric.

- ENGL 5050 - Seminar: Topics in Composition, Rhetoric, and Language

---

(3)

Prerequisite: ENGL 5040 or 5100. Variable topic seminar focusing on selected issues in composition, rhetoric, and language, as announced in Schedule of Classes. May be repeated as subject matter changes.

- ENGL 5055 - Principles and Strategies in Teaching Writing

---

(3)

Advanced study of theoretical models and pedagogical strategies for teaching writing to diverse groups of students, culminating in a reflective portfolio.

- ENGL 5060 - Seminar: The Writing Process

---

(3)

Writing and editing instructional, administrative, and professional materials. Emphasis on developing English skills needed to teach writing at secondary school or community college level or to perform as staff writer or editor.

- ENGL 5070 - Seminar: Writing Fiction

(3)

Prerequisites: ENGL 4070 or instructor consent. Advanced workshop in writing fiction. In-class critiques by students and instructor. May be repeated for a maximum of 12 units.

- ENGL 5080 - Seminar: Writing Poetry

(3)

Prerequisites: ENGL 4080 or instructor consent. Advanced workshop in writing poetry. In-class critiques by students and instructor. May be repeated for a maximum of 12 units.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
|--|--|--|--|---|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events<br>Leadership<br>University Times<br>Student Government (ASI)<br>University Student Union<br>Golden Eagle Radio | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and Scholarships<br>Graduate Studies<br>Housing Services<br>International Office<br>Orientation Program<br>Outreach and Recruitment | Center for Effective Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business<br>Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience Collaborative<br>Pat Brown Institute<br>Service Learning<br>Stern MASS<br>The School of Arts<br>Enterprise | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center<br>Housing Services<br>Luckman Fine Arts Complex<br>Public Safety and Parking<br>Title IX<br>University Auxiliary Services<br>University Bookstore<br>University Student Union<br>University Tutorial Center<br>University Writing Center |



File Viewers





# University Catalog

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## Catalog Search

Semester Catalog 2017-2018

Courses

## Course Descriptions

A h P H

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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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| Prefix:                                      | Code or Number:                           | Type                 | Keyword or Phrase:   |
| <input type="text" value="All prefixes..."/> | <input type="text" value="All types..."/> | <input type="text"/> | <input type="text"/> |

Find whole word or phrase only.

### English (Graduate)

*Classified graduate standing is required for admission to all 5000 level courses.*

- **ENGL 5100 - Seminar: Language and Literacy**


---

(3)  
Prerequisite: ENGL 4101 or instructor consent. Theories of language structure as they apply to contemporary usage.
- **ENGL 5190 - Proseminar in Literature**


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(3)  
Prerequisite: ENGL 5010 or 5020. Variable topic, discussion-based, reading course focusing on selected works from a literary period or genre. May be repeated as subject matter changes.
- **ENGL 5200 - Seminar: Contemporary Critical Approaches**


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(3)  
Prerequisite: ENGL 5001 or 5002. Variable topic seminar focusing on selected contemporary critical approaches to study of English language and literature. May be repeated as subject matter changes.
- **ENGL 5400 - Seminar: British Literature**


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(3)  
Prerequisite: ENGL 5001 or 5002. Study of one or more major writers or of selected significant works in British literature,

as announced in Schedule of Classes. May be repeated as subject matter changes.

- ENGL 5600 - Seminar: American Literature

---

(3)

Prerequisite: ENGL 5001 or 5002. Study of one or more major writers or of selected significant works in American literature, as announced in Schedule of Classes. May be repeated as subject matter changes.

- ENGL 5700 - Seminar: World Literature

---

(3)

Prerequisite: ENGL 5001 or 5002. Study of one or more major writers or of selected significant works in world literature, as announced in Schedule of Classes. May be repeated as subject matter changes.

- ENGL 5960 - Comprehensive Examination

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- ENGL 5969 - Comprehensive Examination

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- ENGL 5970 - Graduate Studies

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- ENGL 5980 - Graduate Directed Study

---

(1-3)

Prerequisites: ENGL 5001 or 5002, instructor consent to act as sponsor, approval of principal graduate adviser. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 5 units with maximum of 4 units allowed in any quarter. Graded CR/NC.

- ENGL 5990 - Thesis

---

(1-6)

Prerequisites: Advancement to candidacy, formal approval by department. Independent study resulting in a critical essay. Oral examination about master's essay required. Must be repeated to total of 5 units. Graded CR/NC.

- ENGL 9000 - Graduate Studies

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(0)

Contact English Department for course information.

## Engineering (Undergraduate)

- ENGR 1500 - Introduction to Engineering and Technology

---

(3)

The course explores the engineering and technology profession. Introduction to design through hands-on projects affecting a local or regional issue. Academic success strategies. University structure, policies, procedures, and resources available. Lecture 2 hours; Laboratory 3 hours. Graded A,B,C,D,F.

**GE E; (cI) IHE**

- ENGR 1540 - Special Topics in Engineering

---

(1-4)

Prerequisites: Instructor consent and as needed for specific topic. Current topics of special interest to students in engineering, as announced in Schedule of Classes. May be repeated for units.

- ENGR 3830 - Ancient and Modern Technology

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(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Systematic analysis of ancient technology and technological thought and its relationship to modern science and technological thought

- ENGR 4540 - Special Topics in Engineering

---

(1-4)

Prerequisites: Senior standing in engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced engineering subjects upon approval of instructor. May be repeated for credit.

- ENGR 4971 - Engineering Senior Project

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(3)

Prerequisite: Consent of instructor. Study of engineering design processes.

- ENGR 4972 - Engineering Senior Project

---

(3)

Prerequisite: Satisfactory completion of ENGR 497A and consent of instructor. Study of engineering design processes. ENGR 4971 includes the selection and completion of a faculty-supervised project focusing on typical problems encountered in engineering practice and resulting in a formal report and oral presentation.

- ENGR 4990 - Undergraduate Directed Study

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

### **Engineering (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- **ENGR 5970 - Graduate Research**

---

(1-4)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 4 units. Graded CR/NC.

- **ENGR 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

- **ENGR 5990 - Thesis**

---

(1-6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, school approval of the topic prior to registration. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/NC.

### **Environmental Science (Graduate)**

- **ENVS 5950 - Directed Field Work**

---

(1-5)

Prerequisite: Instructor consent, agency agreement to host a part- or full-time internship for at least one but not more than three quarters, and approval of Program Director. Supervised individual field experience in an applied area of environmental science. Graded CR/NC May be repeated to a mum of 8 units.

- **ENVS 5970 - Graduate Research**

---

(1-4)

Prerequisite: Instructor consent to act as sponsor and approval of project by student's graduate advisory committee. Independent research towards a master's degree under guidance of faculty. May be repeated to a maximum of 6 units. Graded CR/NC.

- **ENVS 5980 - Graduate Directed Study**

---

(1)

Prerequisites: Instructor consent to act as sponsor and program approval. Independent, directed study of advanced topics in the field; regular conferences with the sponsor; prospectus development. May be repeated twice for credit but only 2 units count towards a M.S. degree in Environmental Science. Graded CR/NC.

- **ENVS 5990 - Thesis or Project**

---

(1-5)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, program approval of topic prior to registration. Independent research resulting in thesis or sponsored internship resulting in project. May be repeated to a maximum of 8 units. Graded CR/NC

## **ESM**

Early Start Math

- **ESM 0309 - Early Start Intro to Beginning Algebra**

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(1)

Integers, rational and real numbers, basic algebraic expressions, ratio, percents. This class is only for Early Start Program incoming Freshmen. Students who pass this course will complete their Early Start Program requirements in Math. Graded CR/NC. No credit towards baccalaureate.

- **ESM 0310 - Early Start Beginning Algebra**

---

(3)

Integers, rational and real numbers, basic algebraic expressions, ratio, percent, solutions and graphs of linear equations, inequalities, polynomials, applications. This class is only for Early Start Program incoming Freshmen. Students who pass this course will earn a Early Start Program score of 37 and may enroll in MATH 930 in the Fall Semester. Graded CR/NC. No credit towards baccalaureate.

- **ESM 0319 - Early Start Introduction to Intermediate Algebra**

---

(1)

Prerequisite: Score between 37 and 49 on the ELM. Polynomials, factoring, rational expressions. This class is only for Early Start Program incoming Freshmen. Students who pass this course will complete their Early Start Program requirements in Math. Graded CR/NC. No credit towards baccalaureate.

- **ESM 0320 - Early Start Intermediate Algebra**

---

(3)

Prerequisite: Score between 37 and 49 on the ELM. Polynomials, factoring, rational expressions, quadratic equations, roots, radicals, radical expressions, exponents, logarithms, graphs, applications. This class is only for Early Start Program incoming Freshmen. Students who pass this course will earn an Early Start Program score of 50 and may enroll in college level math courses in the Fall Semester. Graded CR/NC. No credit towards baccalaureate.

## **Finance and Law (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000- level FIN courses.*

- **FIN 2050 - Legal and Regulatory Environment of Business I**

---

(3)

Prerequisite: Sophomore standing. Introduction to legal and regulatory environment of business emphasizing the American legal system, dispute resolution, contracts, sales, torts, white-collar crimes, and related legal/ethical issues. Instruction in legal research.

**C-ID BUS 120 & BUS 125:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **FIN 3030 - Business Finance**

---

(3)

Prerequisite: ACCT 2100. PV theory and valuation of cash-flows; cost of capital and Beta; basic capital budgeting; financial ratios and use in equity valuation. Introduction to financial Instruments. Course has multinational applications.

- **FIN 3050 - Legal and Regulatory Environment of Business II**

---

(3)

Prerequisite: FIN 2050. Legal and regulatory issues facing business owners, managers, and accountants, including forms of business organization, securities regulation, employment law, agency, secured transactions, bankruptcy, and commercial paper.

- **FIN 3250 - Essential Skills for Finance Professionals**

---

(3)

Prerequisite: Completion of GE B4, FIN 3030. Using Excel for financial analyses including financial statements, financial ratios, determining operating and financial leverage, forecasting, and investment decisions; retrieving financial data online; Excel finance related built-in functions.

- **FIN 3310 - Financial Institutions and Markets**

---

(3)

Prerequisites: ECON 2020, FIN 3030. Financial market structure, institutions, and role in financial system. Foreign financial systems. Deregulation/reregulation and crises. Financial instruments, interest rates. Risk management; hedging tools including swaps and other derivatives.

- **FIN 3320 - Investments**

---

(3)

Prerequisite: FIN 3030. Investment environment, market structure, securities, risk and return, valuation of stocks and bonds, Interest rate risk, term structure, capital asset pricing model, efficient capital markets, evaluation of investment performance.

- **FIN 3350 - Personal Portfolio and Risk Management**

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(3)

Personal budgeting; introduction to and management of personal assets including financial, real assets, and insurance; management of financial risk; retirement planning; basics of personal portfolio management.

- **FIN 3380 - Real Estate Principles**

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(3)

Economics of property ownership and use; fundamentals of ownership, financing, appraisal, management, and transfer of residential and other real property.

- **FIN 3390 - Real Estate Practice**

---

(3)

Real estate contracts, agency and brokerage relationships, physical components of real estate, private ownership interests, documents of transfer, escrows, title insurance, recording, and professional licensing.

- **FIN 3810 - Real Estate Law**

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(3)

Prerequisite: FIN 2050 or equivalent business law course. Legal aspects of real property ownership, rental, management; sales, escrows, contracts, brokerage, co-ownership, deeds, liens, easements, trust deeds, mortgages, title, estates in land, and leases. Emphasis on California law.

- **FIN 3980 - Advanced Cooperative Education**

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(1-3)

Prerequisite: Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 3980 and 3990 may not exceed 12. Graded CR/NC.

- **FIN 4030 - Intermediate Business Finance**

---

(3)

Prerequisite: FIN 3030. Advanced treatment of capital budgeting techniques, application in project valuation for decision making, and financial structure issues. Use of real option analysis in project valuation. Combines theory and applications.

- **FIN 4310 - Multinational Financial Management**

---

(3)

Prerequisite: FIN 3030. Managerial finance applied to multinational transactions; analysis of risks, reduction/elimination of currency risks and other financial risks via hedging/corporate structures. Overview of international financial markets and financing sources.

- **FIN 4320 - Real Estate Management**

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(3)

Management of real property as part of the real estate industry; nature, functions, scope of management principles, services, property care, tenant relations, and records.

- **FIN 4340 - Cases in Financial Management**

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(3)

Prerequisites: FIN 3030, BUS 3050. Identifying and solving financial problems through the use of cases. Application of financial theory and financial techniques to business problems, using written reports and classroom discussion.

- **FIN 4370 - Securities Analysis**

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(3)

Prerequisites: FIN 3250, FIN 3320. Applied securities analysis including industry/company analysis; valuation of stock and fixed income securities, and portfolio selection. Students are expected to generate an analyst report as part of this course.

- **FIN 4380 - Real Estate Valuation**

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(3)

Valuation of real property; economic analysis of trends and factors influencing real estate ownership, development, and use; current appraisal theory.

- **FIN 4390 - Real Estate Finance**

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(3)

Prerequisite: FIN 3030 or FIN 3380. Position of real estate finance in the economy; techniques and procedures used to finance real property, including sources of funds, lending policies, and instruments used in California today.

- **FIN 4400 - Futures and Options**

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(3)

Prerequisite: FIN 3320. Market structures, trading techniques, pricing models, hedging strategies, and investment implications for various futures, option contracts, and derivative assets.

- **FIN 4470 - Student Investment Fund**

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(3)

Prerequisite: FIN 4370. Development of skills through managing real investment funds in the securities markets, including establishing an investment plan, analyzing investment opportunities, making recommendations and trading decisions.

- **FIN 4500 - Fixed Income Securities, Analysis and Strategies**

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(3)

Prerequisite: FIN 3320. Risk, yield, duration, and pricing of fixed income securities, including: treasury, corporate, agency, tax-exempt and mortgage-backed markets; term structure, bond indexing, interest rate risk immunization; interest rate options and futures.

- **FIN 4540 - Special Topics in Finance**

---

(1-3)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- **FIN 4930 - Real Estate Investment**

---

(3)

Prerequisite: FIN 3030 or FIN 3380. Principles of investing in real estate; applying advanced techniques of appraisal practice, capital budgeting tools and economic strategies for maximizing the after-tax returns in different types of real estate products.

#### **Finance and Law (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000- level courses*

- **FIN 5000 - Business Finance and Law**

---

(3)

Law and finance for business organizations: forms of business, business law, capital markets, analysis of financial statements, securities law, security valuation, bankruptcy, and reorganization. Some sections may be technologically mediated.

- **FIN 5000 - Business Finance and Law**

---

(3)

PV theory applied to cash-flow and security valuation; basic capital budgeting, analysis of financial statements for equity valuation. Introduction to capital markets, Instruments, and securities law.

- **FIN 5300 - Seminar: Business Finance**

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(3)

Prerequisite: BUS 5024 or FIN 5000 or FIN 3030. Capital budgeting analysis, CAPM, APT, and capital structure. International comparisons of corporate governance and financial systems. Risk-adjusted discount rate, real options. Combines theory and applications.

- **FIN 5310 - Seminar: Financial Institutions**

---

(3)

Prerequisite: FIN 5000 or FIN 3030. Structure/ organization of financial markets. Role of each type of financial institution and function. Information problems and impact on market structure. History of crises, financial instruments,

and risk management.

- **FIN 5330 - Seminar: International Finance**

---

(3)

Prerequisite: FIN 5000 or FIN 3030. Overview of international financial markets, institutions, instruments, and financing sources. Reduction of currency risks using derivatives and other financial strategies. Direct application to international investing and multinational business operations.

- **FIN 5340 - Seminar: Portfolio Management**

---

(3)

Prerequisite: FIN 5000 or 3030. Stock analysis and fundamentals evaluation, portfolio construction, capital asset pricing model and market efficiency, fixed-income security evaluation and interest rate risk measurement, passive and active portfolio management.

- **FIN 5350 - Seminar: Options, Futures, and other Derivatives**

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(3)

Prerequisite: FIN 5000 or 3030. Economics, trading and pricing of options, futures and other derivative contracts, and their applications to financial engineering, risk management, and portfolio management.

- **FIN 5980 - Graduate Directed Study**

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(3)

Investigation of an approved project leading to written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.

### **Fire Protection Administration (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 3500 - Fire Protection and the Community**

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(3)

Relationship of fire service and fire protection needs to critical urban issues, affirmative action, public education, communication with minority groups, interdepartmental and intradepartmental relations.

- **TECH 3510 - Fire Defense Planning**

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(3)

Community defense needs, facilities, master plan development, federal assistance. Application of ISO grading schedule and guide for determining fire flow requirements, impact on fire insurance.

- **TECH 3520 - Building Construction aspects of fire protection**

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(3)

Building construction, including fire resistive materials, protective systems; testing methods of fire assemblies, heat and smoke detection devices, high-rise structures; plan checking.

- **TECH 3530 - Fire Disaster Planning**

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(3)

Fire disaster protection organization; disaster laws; establishment of central communication and field control centers; support groups; manpower, and equipment. NIMS

- **TECH 3540 - Human Behavior and Fire Protection**

---

(3)

Prerequisite: Completion of 24 units approved lower division fire core courses. Interaction between fire, building, and occupants; human behavior factors affecting response to fire situations; decision-making; movement-modeling; egress design; evacuation strategies; fire safety strategies for senior and disabled/impaired citizens.

- **TECH 3550 - Fire Protection Laws**

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(3)

Study of Fire Laws.

- **TECH 3560 - Emergency Management and Terrorism**

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(3)

Prerequisite: Lower division fire courses needed. Focuses on terrorism, emergency management response and mitigation of such events. Review of incident contingency planning and how to apply emergency management principles to terrorism.

- **TECH 3570 - Fire Leadership and Ethics**

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(3)

Prerequisite: Lower division fire courses needed. Course examines organizational and leadership tools for fire service administrators, including community approaches, core skills, ethical behavioral, planning and implementation, and community risk management.

- **TECH 3580 - Advanced Hazardous Materials**

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(3)

Prerequisite: Lower division fire courses needed. This course provides advanced fire chemistry relating to the categories of hazardous materials including problems of recognition, reactivity, and health encountered by firefighters.

- **TECH 3590 - Fire Cause Investigation**

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(3)

Examines investigative, legal, and managerial approaches to arson cases, including principles of incendiary fire

analysis, detection, environmental and psychological factors of arson, including legal considerations and trial preparation.

- **TECH 4510 - Fire Laws and Building Codes: Interpretation and Enforcement**

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(3)

Interpretation of the building, fire prevention, and State Fire Marshal Codes; review of building plans, enforcement procedures and techniques; case studies and problems in code enforcement.

- **TECH 4520 - Fire Prevention Administration**

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(3)

Prerequisite: TECH 451. Organization of Fire Prevention Bureau; laws and regulations, building and fire code administration; coordination with governmental and other organizations; functions of Fire Prevention Bureau; planning and training.

- **TECH 4520 - Fire Prevention Administration**

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(3)

Organization of Fire Prevention Bureau; laws and regulations, building and fire code administration coordination with governmental and other organizations; functions of Fire Prevention Bureau; planning and training.

- **TECH 4530 - Advanced Equipment and Systems**

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(3)

Theories, principles, and types of fire protection systems, review of fire protection systems plans checking process.

- **TECH 4550 - Fire Protection of Structural Members and Building Components and Materials**

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(3)

Prerequisite: Lower division fire courses needed. This course studies building materials under tension, compression and shear during fire exposures, and HVAC systems and their design and fire protection issues with smoke, fire movement.

- **TECH 4560 - Fire Finance**

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(3)

Prerequisite: Lower division fire courses needed. Course provides skills, knowledge required to manage and administer fiscal activities for the fire service. The major budgeting methods, control mechanisms, forecasting and analysis processes are included.

- **TECH 4570 - Advanced Fire Leadership and Ethics**

---

(3)

Prerequisite: Lower division fire courses needed. This course examines organizational and leadership tools for fire

service administrators, including community approaches to administration, core skills, planning and implementation, leading change and ethical leadership.

- **TECH 4580 - Fire Research Methods for Emergency Managers**

---

(3)

Prerequisite: Lower division fire courses needed. Course examines tools and techniques of rational decision making in fire departments, including databases, statistics, probability, decision analysis, resource allocation, cost-benefit analysis, and linear programming.

- **TECH 4590 - Fire Administration Capstone Course**

---

(3)

Prerequisites: Lower division fire courses needed, and senior standing. Upon completion of this course, students will be able to examine similarities and differences, integrate and synthesize ideas, conceptualize the fire protection program of study more broadly than normally possible in more narrowly focused classes. A senior thesis or project is required.

### **Food Science and Technology (Undergraduate)**

- **FST 3200 - Food Chemistry**

---

(3)

Prerequisites: NTRS 2100 and CHEM 3000. Explores the structure and functional properties of food components and their chemical changes during food processing and utilization.

- **FST 3230 - Food Analysis**

---

(3)

Prerequisite: FST 3200. Explores composition and analysis of food components. Principles that help understand basic laboratory techniques on the function and interactions of chemical components in food and an introduction to instrumental analysis. Lecture 2 hours, laboratory 4 hours.

- **FST 3250 - Food Microbiology**

---

(4)

Prerequisites: MICR 1510. Microbial ecology of foods, important food borne pathogens and principles of use of microorganisms in fermentation.

- **FST 3270 - Principles of Food Engineering**

---

(4)

Pre-requisites: PHYS 1560 and 1570, MATH 2420. Principles of food engineering encompassing math concepts for food engineering, heat transfer, refrigeration, psychometrics, mass transfer and units and dimensions, thermodynamics, material and energy balance, and fluid flow.

- **FST 3320 - Food Law**

---

(2)

Prerequisites: NTRS 2100 and MICR 1051. An introduction to federal and state regulations that assure safety of food products in the market.

- **FST 4210 - Sensory Evaluation of Food Products**

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(3)

Prerequisites: PSY 1500. The senses and their implications in sensory evaluation of food products. Techniques used to conduct sensory evaluation of food products.

- **FST 4250 - Food Preservation Technologies**

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(3)

Prerequisites FST 3200, FST 3250, and FST 3270. Industrial perspective of food preservation technologies, good manufacturing practices and standard operating procedures applied to canning, pasteurization, aseptic processing, smoking, irradiation, refrigeration, freezing, dehydration and concentration.

- **FST 4290 - Food Packaging**

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(3)

Prerequisite: FST 3270. The basic principles of packing applied to foods. It covers the basic properties and applications of metal, glass, paper, and plastic food packaging.

- **FST 4310 - Quality Assurance of Food Products**

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(3)

Prerequisites: NTRS 2100, CHEM 3000 and MATH 1090. Quality assurance of food production dealing with management issues and statistical quality control.

- **FST 4440 - Food Safety Programs**

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(3)

Prerequisites: NTRS 2100 and MICR 1051. Introduction to food safety issues in the food industry. Overviews of food safety programs focused on HACCP and ServSafe. It includes good manufacturing practices and pre-requisite programs in the food industry and food service facilities.

- **FST 4460 - Food Product Development**

---

(3)

Prerequisites: NTRS 2100, MICR 1051 and CHEM 3000. This course introduced the principles of new product development and review special market segments such as nutraceuticals, functional foods, biotechnological products and ethnic foods.

- **FST 4540 - Special Topics in Food Science**

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(1-3)

Prerequisites: Varies with Topic. Define a problem; identify potential causes and possible solutions based on independent research in food science and technology. May be repeated to a maximum of 16 units as subject matter changes.

- **FST 4600 - Animal Food Products Technology**

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(3)

Pre-requisites: NTRS 2100. Understanding of production and processing of foods derived from animals (meat, milk and egg).

- **FST 4750 - Food Safety: Current Challenges and Trends**

---

(3)

Prerequisites: NTRS 2100, MICR 1051 and FST 4440. Specific challenges of food safety in the changing food industry. Includes biosafety issues faced by globalization of food supplies, the laws and regulations governing food safety and public perception of food safety.

- **FST 4790 - Professional Interactions and Writing Skills**

---

(3)

Prerequisites: COMM 1100, NTRS 2100; Blocks A2 and A3. Written and oral communication skills for the Food Science majors with an emphasis on technical and scientific writing to enable them to be effective in industry and government work settings.

**(wi)**

### **French (Undergraduate)**

*All Upper Division courses except 4610 and 4710 are conducted in French.*

- **FREN 1001 - Elementary French I**

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(4)

Prerequisite: Course limited to students who have never studied French before, except as permitted by departmental "Limitation on Language Credit" policy in this catalog. Must be taken in sequence. Methodical presentation of the fundamental structures of French through hearing, speaking, reading, and writing French. Introduction to the diversity of the Francophone world and to cultural aspects of various Francophone societies.

**GE C2**

- **FREN 1002 - Elementary French II**

---

(4)

Prerequisite: FREN 1001 or equivalent; see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of French through hearing, speaking, reading, and writing. Expansion of cultural knowledge about specific Francophone countries and the Francophone world as a whole.

**GE C2**

- **FREN 2001 - Intermediate French I**

---

(3)

Prerequisite: FREN 1002 or equivalent; see departmental "Limitation on Language Credit" policy in this catalog. Recommended corequisite: FREN 2055 or 2056. Expansion of cultural knowledge of the Francophone world and development of intermediate communicative skills in French: oral proficiency, listening comprehension, grammar review, vocabulary building, and reading and writing skills.

**GE C2**

• **FREN 2002 - Intermediate French II**

(3)

Prerequisite: FREN 2001; see departmental "Limitation on Language Credit" policy in this catalog. Suggested corequisite: FREN 2055 or 2056. Continued expansion of cultural knowledge of the Francophone world and development of intermediate communicative skills in French: oral proficiency, listening comprehension, grammar review, vocabulary building, and reading and writing skills.

• **FREN 2055 - French Conversation**

(1)

Prerequisite: FREN 1002. Development of French listening skills and conversational abilities on the ACTL intermediate level through focused discussion of cultural and political topics, films, literary readings, and other materials assigned for pre-class preparation. Graded CR/NC. FREN 2055 and 2056 may be repeated to a maximum of a combined 4 units. Some sections may be offered online.



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# University Catalog

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Semester Catalog 2017-2018

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### French (Undergraduate)

All Upper Division courses except 4610 and 4710 are conducted in French.

- FREN 2056 - Intensive French Conversation

(2)

Prerequisite: FREN 1002. Development of French listening skills and conversational abilities on the ACTL intermediate level through focused discussion of cultural and political topics, films, literary readings, and other materials assigned for pre-class preparation. Graded CR/NC. FREN 2055 and 2056 may be repeated to a maximum of a combined 4 units. Some sections may include a service learning option.

- FREN 2990 - Intermediate Proficiency

(0)

Prerequisite: ML 1010. An assessment of students' oral and written proficiency based on the ACTFL scale. Students must demonstrate intermediate-mid proficiency in order to register for French classes above FREN 3010. Graded CR/NC.

- FREN 3001 - Advanced Grammar and Composition

(3)

Prerequisite: FREN 2002; Corequisite: ML 1010. Complete review of French grammatical structures; focused use of these structures in compositions. Some sections of course may be taught online or in a hybrid format.

- **FREN 3002 - Introduction to Literary Analysis**

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(3)

Corequisites: FREN 2990 and FREN 3001. Development of reading strategies for French literary works; introduction to literary genres; principles of literary analysis as applied to texts by French and Francophone writers; development of writing skills.

- **FREN 3010 - Contemporary Spoken French**

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(3)

Prerequisite: FREN 2002. Development of oral skills in all registers; analysis of spoken French and its differences with standard French; study of current French usage through contemporary texts and media.

- **FREN 3050 - French Phonetics**

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(3)

Prerequisite: FREN 2002. Analysis and practice of French sounds and speech patterns including assimilation, liaison, rhythm, accent, and intonation. Introduction to variants of French pronunciation throughout the world, with a focus on standard French.

- **FREN 3100 - Introduction to French Culture**

---

(3)

Corequisite: FREN 3001. Introduction to French institutions and society through focused study of a particular period. Important historical figures and events; intellectual, social, artistic, and political developments; influence on western world.

- **FREN 3729 - Islam in the Francophone World**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of the cultural dynamics of Islam in the Francophone world, particularly the Muslim experience in France and relationships between France, the Maghreb and West African countries. Taught in English.

**UD GE D (re)**

- **FREN 3739 - Images of Women in French Literature and Society**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of various images of women – stereotypical, idealized, and iconoclastic – in French literature, art, and society from the Middle Ages to the twenty-first century. Taught in English.

**GE UD C; (wi)**

- **FREN 3800 - Commercial French**

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(3)

Prerequisite: FREN 3002. Intensive study of French used in business; theory and practice of fundamentals of commercial correspondence in French; translation of business English into business French.

- FREN 4010 - Cours de Style

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(3)

Prerequisite: FREN 3020. Intensive writing workshop in French; strategies, techniques, and practice in writing a variety of text types including journals, descriptions, short fiction, summaries, letters, opinion pieces, literary and cultural analysis, and research papers.

(wi)

- FREN 4030 - Topics in French Applied Linguistics

---

(3)

Prerequisites: FREN 3002 Topics in French linguistics: Historical linguistics; modern French morphology, syntax, and sociolinguistics; second language acquisition; contrastive analysis of French and English grammatical structures, in preparation for teaching. NIS account required.

- FREN 4050 - Translation

---

(3)

Prerequisites: FREN 3002 and FREN 4010. Techniques of translation processes in rendering into French and English materials ranging from official documents to technical essays and literary texts.

- FREN 4100 - Literature and Society in Medieval and Renaissance France

---

(3)

Prerequisite: FREN 3002. Origins of French language, literature, and society, and developments through the Middle Ages and Renaissance. Important historical figures and events; social and political conditions; influence on western world. Study of major authors and texts; analysis of genre and style.

- FREN 4105 - Literature and Society in 17th- and 18th-century France

---

(3)

Prerequisite: FREN 3002. French literature and society in the Grand Siècle and the Age of Enlightenment prior to the French Revolution. Important historical figures and events; intellectual, social, and political developments; influence on western world. Study of major authors and texts; analysis of genre and style.

- FREN 4110 - Literature and Society in Revolutionary and 19th-century France

---

(3)

Prerequisite: FREN 3002. French literature and society in the Revolution and 19th century. Important historical figures and events; intellectual, social, artistic, and political developments; influence on western world. Study of major authors and texts; analysis of genre and style.

- **FREN 4115 - French Literature and Society in the 20th and 21st centuries**

---

(3)

Prerequisite: FREN 3002. French literature and society in the 20th and 21st centuries. Portrait of Contemporary France. Intellectual, social, artistic, and political developments; role in global society. Study of major authors and texts; analysis of genre and style. Complemented by FREN 4130.

- **FREN 4120 - Survey of French Poetry from the Medieval Lyric to the Symbolists**

---

(3)

Prerequisite: FREN 3002. Study of French lyric poetry focusing on formal analysis (meter, rhyme, formes fixes, figures of speech, imagery) and chronological development from the troubadours to Mallarmé. Techniques of explication de texte.

- **FREN 4130 - Panorama de la Francophonie**

---

(3)

Prerequisite: FREN 3002. Survey of Francophone literature and culture, including French-language literature of Canada, Belgium, the Antilles, the Maghreb, and Central Africa.

- **FREN 4318 - Francophone Caribbean Literature and Culture**

---

(3)

Prerequisite: none if taught in English; FREN 3002 if taught in French. Study of Creole and French-language literature of the Caribbean (Haiti, Guadeloupe, Martinique) as well as the cultural issues surrounding it. Course may be taught in English or French; check GET.

- **FREN 4328 - Quebecois Literature and Culture**

---

(3)

Prerequisite: none if taught in English; FREN 3002 if taught in French. Study of the culture of Quebec, particularly the formation and maintenance of Quebecois identity and the inherent Franco-Anglophone tensions linked to its history and geography. Course may be taught in English or French; check GET.

- **FREN 4338 - Francophone African Literature**

---

(3)

Prerequisite: none if taught in English; FREN 3002 if taught in French. Francophone literary works from the Maghreb and/or West and Central Africa. Analysis of literary and cultural aspects of these works. Course may be taught in English or French; check GET.

- **FREN 4500 - Selected Topics in French Literary Prose**

---

(3)

Prerequisite: FREN 4100 or 4110. Selected masters of French literary prose and their influence on world letters and ideas. Focus on cultural significance and literary theory. May be repeated for credit as subject matter changes.

- **FREN 4510 - Selected Topics in French Dramatic Literature**

---

(3)

Prerequisite: FREN 4100 or 4110. Selected masters of French dramatic literature and their influence on world letters and ideas. Focus on cultural significance and aesthetic theory. May be repeated to a maximum of 8 units for credit as subject matter changes.

- **FREN 4540 - Special Topics in French**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest in French as announced in Schedule of Classes. May be repeated to a maximum of 8 units for credit.

- **FREN 4560 - Senior Seminar in French**

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(3)

Prerequisite: FREN 4100 or 4110. In-depth study of the literary production of a single author, period, or theme. Development of analytical and writing skills as applied to literary study. Writing intensive. (wi)

- **FREN 4719 - The French Film**

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(3)

Study of great traditions and personal styles of outstanding filmmakers. Critique and literary analysis of intellectual approach in French cinema. Conducted in English.

- **FREN 4990 - Undergraduate Directed Study**

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(3)

Prerequisites: As required for particular topic. Project selected in conference with instructor before registration; progress meetings held regularly and culminating in written reports. May be repeated to a maximum of 8 units for credit.

### **Geography (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Unless otherwise stated, the prerequisite for all 4000-level GEOG courses is GEOG 1600 or 3700.*

- **GEOG 1550 - Cultural Geography**

---

(3)

A Geographic perspective on the spatial variation of culture. Focuses on similarities and differences of various cultures with respect to racial, ethnic, religious, linguistic, demographic, and organizational characteristics.

**CI-D GEOG 120:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE D (d)**

- **GEOG 1600 - Physical Geography**

---

(3)

Co-requisite: Must be enrolled in a lab section as well as lecture. Introduction to the principles and processes affecting the natural environment and dynamical interactions of the physical world and its inhabitants. Emphasizes the spatial relationships among atmosphere, hydrosphere, soils, and vegetation. 2 hrs lecture, 3 hrs lab per week.

**CI-D GEOG 110:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE B-1**

- **GEOG 1700 - Meteorology**

---

(3)

Course surveys the major atmospheric processes, with emphasis on weather phenomena, severe storms, droughts and flood-producing events. Use of weather charts and satellite imagery in forecasting examined. Lecture 2 hours, lab 3 hours. Some sections of the lecture may be taught online.

**CI-D GEOG 130:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE B1**

- **GEOG 2600 - Geographic Information Literacy**

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**Also listed as LIBR 2600**

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(3)

Intermediate information literacy class that examines sources and types of information related to climate, geography, oceans and the environment. Primary emphasis placed upon reading, interpreting and analyzing maps and environmental data. Graded ABC/NC.

- **GEOG 2680 - Introduction to Geospatial Sciences**

---

(4)

An introduction to geospatial technologies used in acquisition, representation, analysis, and dissemination of geographic and geologic data.

- **GEOG 2820 - Spatial Measurement and Elementary Statistics**

---

(3)

Prerequisites: GEOG 1550, 1600, and MATH 0930. Univariate descriptive statistics, geographic measurements and spatial descriptive statistics. Parametric inferential statistics: estimation and hypothesis testing. Introduction to bivariate statistics: simple correlation and simple regression. Emphasis on using spatial data.

- **GEOG 3090 - Urban Environmental Pollution**

---

(3)

Prerequisites: Completion of the Basic Subjects courses (Block A) and B4, an additional course from Block B, and at least one course each from Blocks C and D. Investigates the major sources and effects of land, water and air pollution in cities of developed and developing countries. Best management practices and control methods will also be discussed. This course includes civic learning activities.

**GE B (cl)**

- **GEOG 3100 - Urban Climatology**

---

(3)

Prerequisites: Completion of Basic Subjects (Block A) and B4, an additional course from Block B, and at least one course each from Blocks C and D. The course investigates urbanization effects on the immediate atmospheric environment. Students evaluate these effects through direct measurement and data analyses. Topics include architecture, urban planning and pollution. The course includes civic/service learning activities.

**GE B (cl)**

- **GEOG 3120 - Global Climate Change and the Developing World**

---

**(also listed as GEOL 3120)**

(3)

Completion of Basic Subjects (Block A) and B4, an additional course from Block B, and at least one course each from Blocks C and D. Investigates the causes and impacts of global climate change on developing countries, as well as mitigation schemes. Students explore current climate change and its impact on the poor, and they gather evidence from the past and formulate scenarios of the future. This course includes civic/community learning.

**GE-UD-B (CL)**

- **GEOG 3330 - Environment and Development in the Third World**

---

**(also listed as GEOL 3330)**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and one course each from Blocks C

and D. The physical environments of the Third World and associated problems of development.

#### **UD GE Block B**

- **GEOG 3690 - Fundamentals of Geographic Information Systems**

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(3)

Prerequisite: GEOG 2680 or equivalent. This course introduces students to the elements and capabilities of a functioning GIS for solving spatial problems.

- **GEOG 3700 - World Regional Geography**

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(3)

Major physical regions of world are examined with a focus on the variation of social, political, historical and physical issues across space.

- **GEOG 3760 - Urban Spatial Process and Patterns**

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(3)

Prerequisite: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. An in-depth, critical examination of the spatial processes of urbanization and the characteristics and morphology of cities.

#### **GE UD D (CI) (WI)**

- **GEOG 4020 - Geomorphology**

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(3)

Prerequisites: GEOG 2680. Identification and interpretation of landforms. Local field trip.

- **GEOG 4030 - Environment and Food Customs**

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(3)

This course will examine the geographical distribution of various food cultures as well as the connections between those food cultures and the physical environment in which they have developed.

- **GEOG 4070 - Biogeography**

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(3)

Prerequisites: GEOG 1600 and completion of GE Block B. Distributions and dynamics of individual plant and animal taxa and the communities and ecosystems in which they occur, in relation to natural and anthropogenic processes at different scales.

- **GEOG 4100 - Applied Climatology**

---

(3)

Prerequisites: Completion of Basic Subjects (Block A) and Block B1 or B3. Atmospheric behavior and its connections to our day-to-day weather phenomena. Emphasis is on effects of climate on physical, biological, cultural environments; and climatic change and variability.



- **GEOG 4150 - Perspectives on Environment**

---

(3)

Environmental interactions in subsistence and urban-industrial societies; impact of human activities on environment: modification of vegetation, hydrology, and landforms, accelerated soil erosion, climatic change; environmental perception; awareness of and adjustment to natural hazards.

- **GEOG 4310 - California**

---

(3)

Examination of Human and Physical spatial processes in California that shape past, present and future landscapes of the state. Climate, landforms, vegetation, settlement, economics, water are discussed. Optional field trip.

- **GEOG 4420 - Population Geography**

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(3)

Prerequisite: GEOG 1550. Spatial analysis of demographic variables with emphasis on environment, social, and economic factors influencing population distribution and mobility; population growth in relation to resource utilization.

- **GEOG 4460 - U.S. Ethnic Communities**

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(3)

Spatial structure and organization of selected ethnic communities in the U.S. and their interrelationships with American composite cultural environment.

- **GEOG 4510 - Historical Geography of North America**

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(3)

Prerequisite: GEOG 1550. Development of North America from earliest European contact through the present, emphasizing spatial process and patterns.

- **GEOG 4570 - Transportation Geography**

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(3)

Prerequisite: GEOG 1550. Modes of movement of people, products, and ideas; their impacts on spatial patterns and landscapes. Field Trips Required.

- **GEOG 4580 - Urban Transportation**

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(3)

Prerequisite GEOG 2820 or a course in statistics. This course will focus on critical issues in urban transportation, including land use and transportation interaction, urban form and commuting patterns, transit planning, and sustainable urban transportation.

## GEOG 4630 - Geographic Information Systems (GIS) Applications in Urban Planning

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(3)

Prerequisite GEOG 3690. Focuses on the application of Geographic Information Systems in urban planning and decision making.

- **GEOG 4640 - Geographic Information Systems (GIS) Applications in Political Science**  
**(also listed as POLS 4640)**
- 

(3)

Prerequisites: GEOG 3690 or consent of instructor. Focuses on the application of Geographic Information Systems in politics and policy to see the effects of public decisions in areas such as political behavior, redistricting, and service delivery.

- **GEOG 4650 - Geographic Information Systems (GIS) Applications in Environmental Studies**
- 

(3)

Prerequisite: GEOG 3690. This course focuses on the applications of Geographic Information Systems in environmental studies and resource management. Students will be introduced to spatial analysis and GIS modeling in these areas.

- **GEOG 4660 - Remote Sensing**
- 

(3)

Prerequisite: GEOG 2680 and GEOG 3690. Analysis of natural and cultural features of earth's environment using photographic, infrared, satellite and microwave imagery. Lecture 3 hours, laboratory 2 hours.

- **GEOG 4680 - Digital Cartography**
- 

(3)

Prerequisites: GEOG 2680 and GEOG 3690. This course provides hands-on training in GIS data creation, map design, and web map authoring.

- **GEOG 4690 - Spatial Analysis and GIS Modeling**
- 

(3)

Prerequisites: GEOG 2680 and GEOG 3690. Analytical and modeling functions of geographic information systems, including buffer zone and overlay analysis, network analysis, terrain and hydrological modeling, and cost surface analysis. Lecture 3 hours, laboratory 2 hours.

- **GEOG 4760 - Urban Geography**
- 

(3)

In-depth spatial analysis of urban systems and internal structure of cities, and analytical investigation of functions and forms of representative urban areas.

- **GEOG 4820 - Multivariate Statistics in Geography**

---

(3)

Prerequisites: GEOG 2680 and GEOG 2820. Nonparametric statistics, parametric statistical inference: two-sample tests, analysis of variance (ANOVA), multiple regression, principal components and factor analysis, and discriminant analysis. Emphasis on using spatial data. Lecture 3 hours, laboratory 2 hours.

- **GEOG 4880 Geography and G - Geography and Geopolitics in East Asia and Southeast Asia**

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**Also listed as AAAS4880**

(3)

Physical, economical, and political geography of Asian countries with an emphasis on changing geopolitics and regional stability. The course includes either a field trip to Asia or a local internship.

- **GEOG 4890 - Remote Sensing Applications in Hydrology**

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**(also cross-listed as GEOL 4890)**

(3)

Prerequisite: MATH 2120 or GEOG 2680 or instructor's consent. Includes the application of remote sensing in precipitation, soil moisture, water quality, surface water, and hydrologic modeling. A technical computing language MATLAB is used for data analysis and visualization.

- **GEOG 4950 - Geographic Methodology and Senior Thesis**

---

(3)

Prerequisites: GEOG 2820, Senior standing and a passing grade on the GWAR. Examination of the major issues, themes, theories and research findings in geography with emphasis on their relationships to each other. A culmination experience of senior thesis is required. (wi)

### **Geography (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission for all 5000-level courses.*

- **GEOG 5100 - Seminar: Physical Geography**

---

(3)

Prerequisite: Instructor consent. Seminar on geography of the natural environment. Subjects offered include air pollution, biogeography, climatology/meteorology, environmental studies, geomorphology, and research advancements in physical geography. May be repeated as subject matter changes.

- **GEOG 5200 - Seminar: Regional Geography**

---

(3)

Prerequisite: Instructor consent. Geography of selected regions of the world. Regions offered include California, Canada, Central America, China, Europe, Los Angeles, Middle East, South America, South Asia, and Southeast Asia. May be repeated as subject matter changes.

- **GEOG 5300 - Seminar: Urban Social Systems**

**(also listed as SOC 5300)**

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(3)

Prerequisite: Instructor consent. Growth and nature of urban social systems in selected cities and metropolitan areas; theories of urban structure and problems; improving quality of urban life; comparisons of cities in various countries.

- **GEOG 5400 - Seminar: Human Geography**

---

(3)

Prerequisite: Instructor consent. Seminar on geography of human activities. Subjects offered include cultural, economic, historical, medical, population, resource, settlement, transportation, and urban geography, as well as ethnic studies, regional analysis, and migration studies. May be repeated as subject matter changes.

- **GEOG 5600 - Seminar: Methods and Techniques in Geography**

---

(3)

Prerequisite: Instructor consent. Seminar on geographic methods and techniques. Subjects offered include geographic information systems/science (GIS), remote sensing, mathematical modeling, qualitative research methods, locational analysis, and spatial statistics. May be repeated as subject matter changes.

- **GEOG 5950 - Seminar: Geographic Thought**

---

(3)

Prerequisite: Instructor consent. History, objectives, and methodological and philosophical approaches of geography.

- **GEOG 5960 - Comprehensive Examination**

---

(3)

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **GEOG 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor. May be repeated to a maximum of 12 units for credit.

- **GEOG 5990 - Thesis**

---

(1-4)

Prerequisites: Advancement to candidacy, approval of department, completion of course work in master's program, completion of foreign language or upper division statistical or computer skill requirement. May be repeated to maximum of 9 units. Graded CR/NC.

## Geological Sciences (Undergraduate)

All 4000-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 4000, 4010, 4020, 4100, 4300, 4600, 4601, 4970, 4990.

- **GEOL 1500 - Earth Revealed**

---

(3)

Introductory Geology: Earth material, plate tectonics, origin and nature of earthquakes, volcanoes, the seafloor, mountains, natural resources and climate change. Lecture 2 hours, laboratory 2.5 hours, one day field trip.

**C-ID GEOL 101:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE B 1**

- **GEOL 1550 - Oceanography**

---

(3)

Introduction to the origin of ocean basins, seafloor features, ocean sediments, ocean circulation, seawater properties, wave properties, coastal processes, and environmental issues tied to pollution, population growth and climate change. Laboratory: one-day ocean cruise and one-day coastal trip. Lecture 2 hours, laboratory 2.5 hour. Portions of the class may be taught online.

**GE B-1**

- **GEOL 1580 - Natural Disasters**

---

(3)

Causes, characteristics, mitigation and case histories of natural disasters affecting civilization. Topics include earthquakes, volcanic eruptions, landslides, storms and floods, tsunamis, asteroid impacts, forest fires, climate changes, and mass extinctions. Lecture 2 hours; laboratory 3 hours.

**C-ID GEOL 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE-B1**

- **GEOL 1600 - Geology Field Experience**

---

(1)

Prerequisite: GEOL 1500. Field trip-based course designed to introduce students to the many facets of California geology, including faults, volcanoes, earthquakes, mountain building and tectonics. Job and research opportunities will also be presented. Lecture 1 hour, laboratory 3 hours.

- **GEOL 2200 - Environmental Geoscience**

---

(3)

Current environmental issues concerning natural resources, water and soil use, energy resources, alternative energy, air and water pollution. Environmental laws, reclamation, and the human impact on global climate change. Lecture 4 hours.

- **GEOL 2520 - Historical Geology**

---

(4)

Prerequisites: GEOL 1500,1550, or 1580. Study of Earth's history through fossils and rocks. Evolution of plants and animals, rocks, principles of geologic time, plate tectonics and mountain building, principles of stratigraphy and biostratigraphy are reviewed. Lecture 3 hours, laboratory 1 hour. Field trips are required.

**C-ID GEOL 111:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **GEOL 3010 - Mineralogy and Petrology**

---

(4)

Prerequisite: GEOL 1500. Crystal formation and bonding, mineral formulas, crystal symmetry, physical properties and identification, association of minerals with igneous, sedimentary and metamorphic environments, rock classification, use of the petrographic microscope and basic optical mineralogy skills. Lecture 2 units, lab 1 unit, activity 1 unit.

- **GEOL 3120 - Global Climate Change and the Developing World**

---

**(also listed as GEOG 3120)**

(3)

Completion of Basic Subjects (Block A) and B4, an additional course from Block B, and at least one course each from Blocks C and D. Investigates the causes and impacts of global climate change on developing countries, as well as mitigation schemes. Students explore current climate change and its impact on the poor, and they gather evidence from the past and formulate scenarios of the future. This course includes civic/community learning.

**GE-UD-B (CL)**

- **GEOL 3210 - Geology of Southern California**

---

(3)

Prerequisite GEOL 1500. Geologic provinces of southern California including geologic history, structure, rock types, and landforms. Field laboratory on weekends. (Lecture 2 hours, laboratory 3 hours)

- **GEOL 3330 - Environment and Development in the Third World**

---

**(also listed as GEOG 3330)**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and one course each from Blocks C and D. The Physical Environments of the Third World and Associated Problems of Development.

#### **UD GE Block B**

- **GEOL 3570 - Urban Geology**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Geologic conditions and processes (earthquakes, volcanoes, floods, landslides, coastal processes, etc.) as they affect urbanized areas around the world. Urban governmental planning and regulation for mitigation of geologic problems.

#### **UDGE/B CL**

- **GEOL 3600 - Geological Mapping**

---

(3)

Prerequisites: GEOL 3010, 2520. Topographic map reading, Brunton compass use, construction of cross sections, stratigraphic columns and geologic maps. Emphasis on field note taking. Lecture 1 hour, laboratory and field trips 5 hours.

- **GEOL 3700 - Geochemistry**

---

(3)

Prerequisites: GEOL 3010. Application of chemical and mathematical principles to studies of earth systems including major and trace element distribution in rocks; isotopic tracers; radiometric dating; aqueous, organic, and environmental chemistry. Lecture 3 hours, laboratory 3 hours.

- **GEOL 3720 - Computers in Geology**

---

(3)

Commonly used software and computing techniques will be covered. Software include ArcGis, GeoOrient, MS office and Adobe Illustrator. Techniques included drafting maps, technical writing, statistical analyses, and creating effective presentations. Lecture 2 hour, laboratory 3 hours.

- **GEOL 3980 - Geology Cooperative Education**

---

(3)

Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC. For more information see Cooperative Education

- **GEOL 4000 - Optical Mineralogy**

---

(3)

Prerequisite: GEOL 3010. Optical properties of crystals in polarized light and determination of minerals in thin sections with the petrographic microscope. Lecture 2 hours, laboratory 6 hours.

- **GEOL 4010 - Igneous and Metamorphic Petrology**

---

(4)

Prerequisites GEOL 3010, 3600, 4000. Origin, occurrence, and characterization of igneous and metamorphic rocks; their mineralogy, petrology, geochemistry, and plate tectonic setting. Lecture 2 hours, lab 1 hour, activity 1 hour.

- **GEOL 4020 - Sedimentary Petrology**

---

(4)

Corequisites: GEOL 4100. Analysis of sediments and sedimentary rocks involving their description and classification and origin. Principles of sedimentation, Lecture 2 hours, laboratory 3 hours, activity 2 hours.

- **GEOL 4100 - Structural Geology**

---

(3)

Prerequisites: GEOL 3600, MATH 2110. Prerequisite or corequisite: PHYS 1100. Theory of rock deformation, structural features of sedimentary, igneous, and metamorphic rocks; deformation of the Earth's crust, applied practices in laboratory methods dealing with geologic problems in three dimensions. Lecture 2 hours, laboratory 3 hours.

- **GEOL 4110 - Geotectonic Development of California**

---

(3)

Prerequisites: GEOL 4100 and GEOL 4300, Tectonic development of California in chronological order from Proterozoic to modern time. Topics include Proterozoic rifting, Antler, Sonoman, Nevadan, Sevier, and Laramide Orogenies, and tectonic origin of present day features.

- **GEOL 4220 - Environmental Geochemistry**

---

(3)

Prerequisite: CHEM 1100. This course covers geochemical and environmental processes/tools and technical writing. Topics include basic principles and applications of geochemistry to solve environmental problems including surface and groundwater studies. Lecture 2 hours, laboratory 3 hours.

**GE wi**

- **GEOL 4222 - Forensic and Isotope Geochemistry**

---

(3)

Prerequisite: GEOL 4220. Use of geochemical tracers to investigate environmental problems; identifying sources of pollution; fate and transport of inorganic and organic contaminants via statistical and isotopic tracers; age-dating environmental releases. Lecture 2 hours, lab 3 hours.

- **GEOL 4260 - Astrogeology**

---

(3)

Terrestrial planets; meteorites, the moon, asteroids, comets; remote sensing of the Giant Planets; origin of the solar system.



- **GEOL 4300 - Stratigraphy and Sedimentology**

---

(4)

Prerequisite: GEOL 4020. Examination of modern depositional environments, reconstruction of ancient depositional environments through application of structural, petrologic, stratigraphic, and paleontologic principles; report writing and field note taking; analysis of stratigraphic sections. Lecture 3 hours, laboratory 3 hours.

- **GEOL 4330 - Quaternary Geology**

---

(3)

Prerequisite: GEOL 2520. History of the Earth during and since Ice Ages; causes, mechanisms, and global, physical and biological effects of glaciation.

- **GEOL 4340 - Volcanology**

---

(3)

Prerequisites: GEOL 3600 and GEOL 3700. Tectonic setting; petrogenesis; interpretation of volcanic rocks.

- **GEOL 4350 - Coastal Processes and Environments**

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(3)

Prerequisite: GEOL 2520 or consent of instructor. Interpretation and identification of the origin of coastal features and environments through analysis of fluvial, wave, tidal, sea level, tectonic, and urbanization processes. Lecture 3 hours and field activities 3 hours.

- **GEOL 4590 - Geologic Maps and Reports**

---

(3)

Prerequisite/Corequisite: GEOL 2520. GEOL 3010. Format and construction of geologic maps and cross sections; format and style of geologic reports including text, figures, and references.

**(WI)**



# University Catalog

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## Course Descriptions



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### Geological Sciences (Undergraduate)

*All 4000-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 4000, 4010, 4020, 4100, 4300, 4600, 4601, 4970, 4990.*

- **GEOL 4600A - Summer Field Geology**

(2)

Prerequisites: GEOL 4010, GEOL 4100, and GEOL 4300. Corequisite: GEOL 4600B. First seven weeks of quarter: Three weeks in an off-campus field camp, investigating and mapping an area of sedimentary, metamorphic, and/or igneous rocks and geologic structure.

- **GEOL 4600B - Report for Field Geology**

(1)

Prerequisite/Corequisite: GEOL 4600A. Preparation of geologic map, cross sections and report about entire area covered by class in GEOL 4600A.

- **GEOL 4810 - Engineering Geology**

(3)

Prerequisite: GEOL 4600A and GEOL 4600B. Analysis of geologic factors affecting engineering projects; includes mechanical properties of rocks and soils, landslides, slope stability, subsidence, groundwater, erosion and silting, and earthquake effects.

- **GEOL 4820 - Engineering Geology Laboratory**

---

(1)

Prerequisite or corequisite: GEOL 4810. Methods of laboratory soil testing used in engineering geology, including compaction, grain size, shear strength, expansion, and Atterberg Limits tests. Laboratory 3 hours.

- **GEOL 4830 - Photogeology**

---

(3)

Prerequisite: GEOL 3600. Use of aerial photographs to interpret geological structures and lithologies shown on topographic maps; analysis of photos for engineering projects. Lecture 3 hours, laboratory 3 hours.

- **GEOL 4840 - Hydrogeology**

---

(3)

Occurrence, movement, quality of surface water and groundwater emphasizing geologic factors, coverage of California Groundwater Basins, and impacts of Urbanization on Groundwater. Lecture 2 hours, laboratory 3 hours.

- **GEOL 4850 - Groundwater Management and Models**

---

(3)

Mathematical models as tools of groundwater management; case histories of various levels of groundwater management; laboratory includes verification and prediction using finite difference models on computer systems. Lecture 3 hours, laboratory 3 hours including one field trip.

- **GEOL 4870 - Watershed Analysis**

---

(3)

Prerequisite: GEOL 4840 or instructor's consent. Includes basic surface hydrology, surface-groundwater interactions, hyporheic zone processes, wetlands for water treatment, agricultural and urban runoff, stream restoration, basic microbiology in watersheds, and contemporary problems in California Watersheds. Lecture 2 hours, laboratory 3 hours.

- **GEOL 4880 - Hydrologic Modeling (3)**

---

Prerequisite: MATH 2120 or GEOG 2680 or GEOG 3690 or instructor's consent. Focus on the basic principles of hydrologic modeling. Includes watershed delineation, event infiltration, unit hydrographs, and hydrologic routing using USACE software HEC-HMS along with its ArcGIS interface.

- **GEOL 4890 - Remote Sensing Applications in Hydrology**

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**(also cross-listed as GEOG 4890)**

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(3)

Prerequisite: MATH 2120 or GEOG 2680 or instructor's consent. Includes the application of remote sensing in precipitation, soil moisture, water quality, surface water, and hydrologic modeling. A technical computing language MATLAB is used for data analysis and visualization.

- **GEOL 4900 - Special Topics in Geology**

---

(1-3)

Current topics of special interest in advanced geology and related fields as announced in Schedule of Classes. May be repeated to a maximum of 16 units as subject matter changes.

- **GEOL 4910 - Special Laboratory Topics in Geology**

---

(1-2)

Laboratory activities for current topics of special interest in geology as announced in Schedule of Classes. May be repeated to a maximum of 12 units as subject matter changes.

- **GEOL 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Consent of an instructor to act as sponsor, ability to assume responsibility for independent work and to prepare written and oral reports. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to a maximum of 4 units.

#### **Geological Sciences (Graduate)**

*All 4000-level courses may be applied towards master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: GEOL 4000, 4010, 4020, 4030, 4100, 4300, 4600, 4601, 4970, 4990. Classified graduate standing is required for admission to all 5000-level courses.*

- **GEOL 5200 - Environmental Isotope Geochemistry**

---

(3)

This course will introduce students to isotope geochemical processes and tools and its use in environmental geochemistry. Applications include contaminant hydrogeology, water resources and climate change.

- **GEOL 5250 - Sedimentary Processes, Environments, and Structures**

---

(3)

Prerequisites: GEOL 4020 and GEOL 4300. Identification and analysis of sedimentary structures and hydrodynamically generated bedforms to determine sedimentary processes and environments of deposition.

- **GEOL 5280 - Advanced Topics in Igneous and Metamorphic Petrology**

---

(3)

Prerequisite GEOL 3010, GEOL 4010 or instructor's consent. Focus on the advanced principles of igneous petrogenesis and behavior of trace elements during mantle melting and rock forming processes.

- **GEOL 5280 - Advanced Topics in Igneous Petrology**

---

(3)

Prerequisite GEOL 3010 and GEOL 4010 or instructor's consent. Advanced principles of igneous petrogenesis, including trace element behavior during fractional crystallization and mantle melting. Includes analytical methods, use

and interpretation of geochemical data and a review of current literature.

- **GEOL 5300 - Seminar: Structural Geology and Tectonics**

---

(3)

Prerequisite: GEOL 4100 or upper division structural geology course. Critical review of selected topics concerning analysis, interpretation, and origin of geologic structures, mechanics of rock deformation and of large scale crustal deformation.

- **GEOL 5310 - Tectonic Problems of Southern California**

---

(3)

Prerequisite: GEOL 4100 or upper division structural geology course. Current topics in the geotectonic evolution of southern California.

- **GEOL 5340 - Advanced Field Geology**

---

(3)

Prerequisite GEOL 2680, GEOL 3600, GEOL 4600A or equivalent. Advanced mapping course using traditional and digital mapping methods. Use regional and local sedimentary, igneous and metamorphic textural features to map outcrops and make interpretations about geology and tectonic setting.

- **GEOL 5410 - Seminar: Advanced Topics in Isotope Geochemistry**

---

(3)

Prerequisite GEOL 3010 and GEOL 4900 Isotope Geology or instructor's consent. Focus on the advanced principles of using isotopes to address questions of provenance and in igneous and metamorphic petrology.

- **GEOL 5600 - Hydrogeology**

---

(3)

Prerequisite: GEOL 4840. Advanced study of groundwater topics including aquifer testing, regional groundwater flow, water chemistry mass transport, and groundwater models. Lecture 2.0 hours, laboratory 3.0 hours.

- **GEOL 5610 - Vadose Zone Hydrogeology**

---

(3)

Prerequisite: GEOL 4840. Study of water movement and solute transport in the vadose (unsaturated) zone; including soil physics; infiltration theory; solute movement, noninteracting and interacting solutes; physical measurements; and field instrumentation. Lecture 3.5 hours, laboratory 3.0 hours.

- **GEOL 5620 - Contaminant Hydrogeology**

---

(3)

Prerequisite: GEOL 4840. Mass transport of contaminants in groundwater, principles of groundwater hydrology applied to organic and inorganic chemical migration, monitoring groundwater contamination, geochemical tracers of groundwater contamination, groundwater remediation.

- **GEOL 5630 - Water Quality Seminar**

---

(3)

Prerequisite: GEOL 4840 or instructor's consent. Contemporary issues in water quality, including contaminant transport, pollutants in surface and ground water, natural attenuation, engineered bioremediation, monitoring wells, soil sampling procedures, and vadose zone monitoring. Seminar 4.5 hours.

- **GEOL 5700 - Special Topics**

---

(1-3)

Prerequisite: Instructor consent. Discussion of selected topics in geology. May include up to 2 units of laboratory. May be repeated for credit as subject matter changes.

- **GEOL 5810 - Seminar: Engineering Geology**

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(3)

Prerequisite: GEOL 4810 or senior engineering geology course. Advanced study relating geologic factors to engineering projects, with emphasis on slope stability, subsidence, engineering seismology, and construction problems related to engineering geology.

- **GEOL 5840 - Paleoseismology**

---

(3)

Prerequisites: GEOL 4810. Recognition of paleoseismic events in the geologic record, Quaternary slip-rates and coseismic deformation, modeling fault-scarp degradation, behavior of seismogenic faults, and seismic-hazard analysis.

- **GEOL 5850 - Landslides, Avalanches, and Debris Flows**

---

(3)

Prerequisite: GEOL 4810. Recognition, mechanics, and analysis of mass wasting features including landslides, rock avalanches, debris flows, rock falls, and lateral flows. Field mapping and computer stability analysis activities. Lecture 3.5 hours, laboratory 3.0 hours.

- **GEOL 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **GEOL 5970 - Graduate Research**

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(1-3)

Prerequisites: Instructor consent to act as sponsor, approval of project by student's graduate advisory committee. Independent research under guidance of faculty. Graded CR/NC.

- **GEOL 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Directed research on subjects selected in consultation with faculty. May be repeated to maximum of 6 units.

- **GEOL 5990 - Thesis**

---

(1-3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor. Presentation of independent research work in a written thesis, which is defended orally. Graded CR/NC.

- **GEOL 9000 - Graduate Studies**

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(0)

Prerequisite: GEOL 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

#### **Graphics Communication (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 1300 - Introduction to Graphic Communications**

---

(3)

General technology course emphasizing the importance of graphic communications in our culture. History, theory, and laboratory application of varied graphic communications processes. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 2310 - Imposition and Electronic Image Assembly**

---

(3)

Prerequisite: TECH 1300 or consent of instructor. Applications of principles of imposition with emphasis on electronic image assembly techniques. This course requires service learning. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 2330 - Presswork Procedures**

---

(3)

Prerequisite: TECH 1300 or consent of instructor. Principles and procedures and practices of graphic reproduction utilizing ink and press technology with emphasis on the photo offset lithographic process. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 2340 - Lithographic and Digital Reproduction Processes**

---

(3)

Prerequisite: TECH 1300 or consent of instructor based upon previous experience. Lithographic theory and its reproduction, image conversion, preparation of image carriers, image transfer, quality control, chemistry of lithography, printing inks and paper. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 3300 - Graphic Communications Processes and Materials**

---

(3)

Prerequisite: Junior standing in Graphic Communications, Industrial Technology, or consent of instructor based upon previous experience. Examination, application, and control of processes used in the graphic communications industry including prepress, press, postpress operations, major printing processes, digital imaging, and new media production. Nature and control of materials used in graphic communications reproduction processes with emphasis on image on substrate relationships. Lecture 1 1/2 hours, laboratory 4 ½ hours

- **TECH 3320 - Typography**

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(3)

Prerequisite: TECH 3300 or consent of instructor. Intensive study and application of typographic principles with emphasis on their use in a production printing environment. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 3330 - Presswork Procedures**

---

(3)

Prerequisite: TECH 1300 or Consent of Instruction. Letterpress principles and procedures on platen and cylinder presses, make-ready, inks, automatic feeders. Lecture 1 ½ hours, laboratory 4 ½ hours.

- **TECH 4300 - Computer Aided Graphic Communications Management**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Concept, theory, and procedures of applications of computers to the solution of printing job planning, job tracking, data collection, purchase orders, inventory, production scheduling, system utilities, digital file preparation, and file maintenance with emphasis on problems found in the current graphic communications industry. This course requires service learning and cooperative learning. Lecture 1 1/2 hours, laboratory 4 ½ hours.

- **TECH 4320 - Typographical Layout And Design**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Principles of design applied to graphic communication; selection of type, printing substrates and processes for reproduction; use of layouts and dummies to solve problems of graphic communications production. This course requires service learning. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 4330 - Printing Estimating**

---

(3)

Prerequisite: TECH 3300 or Consent of Instructor. Elements of estimating all classes of printing and photo offset lithography including prepress operations, presswork, bindery, paper, and cost-finding problems.

- **TECH 4331 - Computer Aided Printing Estimating and Job Costing**

---

(3)



Prerequisite: TECH 4330 or consent of instructor. Applications of computers to the solution of estimating problems discussed in TECH 433A with emphasis on problems found in the contemporary printing industry. Theory and application of principles for determining actual costs of specific operation to verify validity of estimates. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 4340 - Graphic Communications Production Management I**

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(3)

Prerequisite: TECH 3300. Organization and management of the graphic communications production, planning procedures and application of industrial management strategies.

- **TECH 4350 - Color Theory, Reproduction, and Management**

---

(3)

Prerequisite: TECH 3300. Color theory and its application to solving problems in the printing industry; emphasis on examination and evaluation of processes, proofing, reproduction, management, and quality control. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 4360 - Electronic Publishing Technology and Management**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Theory and application of publishing systems; emphasis on information integration, system configuration, management, and producing digital output. This course requires Service Learning and Cooperative Learning. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 4370 - Alternative Media Production**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Theory of media development processes; emphasis on multimedia production and management. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **TECH 4380 - Image Capture, Processing, and Management**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Theory and procedures of digital image capture, processing and management; emphasis on total capture technology, image integration and producing open image files. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

- **TECH 4390 - Digital Workflow Management**

---

(3)

Prerequisite: TECH 3300 or consent of instructor. Concept, theory, and procedures of digital workflow planning and management; emphasis on open digital file formats and pre-flighting. Lecture 1 1/2 hours, Laboratory 4 1/2 hours.

- **HHS 1010 - Introduction of Higher Education in Health and Human Services: Living an Examined Life**

---

(3)

Orientation to thinking strategies applicable to lifelong learning and problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, civic learning and academic planning for student success. Graded ABC/NC

**GE IHE; E**

- **HHS 1540 - Special Topics in Health and Human Services**

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(1-3)

Instructor consent as needed for specific topics. Current topics of special interest to students in health and human services. May be repeated to a maximum of 9 units as subject matter changes. Graded ABC/NC.

- **HHS 3100 - Historical and Social Context of Disability**

---

(3)

Prerequisites: PSY 1600, SOC 2010. Exploring the scope of disability from historical and social contexts to establish a framework from which to understand perspectives of disabling conditions and delivery systems of support services.

- **HHS 3110 - Internship in Developmental Disabilities**

---

(3)

Prerequisites: Completion of the Required Core and Foundations of Program Delivery, Management and Advocacy courses for the Minor in Developmental Disabilities, HHS 3100 or consent of instructor, submission of Certificate of Clearance to course instructor, agency/organization acceptance, submission of paid Student Liability verification to course instructor, current TB Test verification (if required by placement site). Supervised experience utilizing professional preparation in a field setting. Graded CR/NC. If students receive a "NC" they may repeat the entire course only once.

- **HHS 3120 - Senior Project Capstone**

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(3)

Prerequisites: Completion of the Required Core and Foundations of Program Delivery, Management and Advocacy courses for the Minor in Developmental Disabilities, HHS 3110 or consent of instructor, submission of Certificate of Clearance to course instructor, submission of paid Student Liability verification to course instructor, current TB Test verification (if required). Synthesizing issues and trends in services for those with neurodevelopmental and related disabilities; application of knowledge gained throughout the minor degree program in the form of a capstone project.

- **HHS 3950 - Community Service in Health and Human Services**

---

(1-3)

Prerequisites: Approval of a faculty sponsor and acceptance by an appropriate agency. Participation in school, clinic, civic or other community service work in health and human services. May be repeated to maximum of eight units. Graded CR/NC.

- **HHS 4000 - Statistics in Health and Human Services**

---

(3)

Prerequisites: Upper division standing and MATH 1100, or MATH 1020, or ECON / MATH 1090 or MATH 2110. Basic statistical concepts, as applied to research in Health and Human Services; practical application of statistics using computer based data analysis.

- **HHS 4950 - Field Work in Health and Human Services**

---

(1-3)

Prerequisite: Admission to a Health and Human Services credit certificate program. Work with community service organizations; placement arranged by appropriate certificate program coordinator. May be repeated to maximum of 8 units. Graded CR/NC.

#### **Health and Human Services (Graduate)**

- **HHS 5950 - Field Practicum in Health and Human Services**

---

(3)

Prerequisites: Graduate status and approval of an appropriate HHS program adviser. Supervised field experience in health and human service agencies. May be repeated for a maximum of 8 units. Graded CR/NC.

#### **Higher Education (Doctoral)**

- **EDFN 6030 - Introduction to Doctoral Research**

---

(2)

Prerequisite: Admission to doctoral program. Orientation for the Ed.D. program in Educational Leadership; expectations, commitments and the practice of inquiry in doctoral cultures; accessing technology and library resources, working with research faculty and community partners. Graded ABCDF or Credit/No Credit.

\*Semester units

- **EDFN 6051 - Laboratories of Practice: Research Lab**

---

(2)

Prerequisite: Admission to doctoral program and EDFN 6030. Faculty-supervised research practicum; research activities leading up to and through students' dissertation research; faculty and student peers explore and examine research design, fieldwork/data collection techniques, data analysis procedures, and emerging findings. Must be repeated for credit until completion of the dissertation.

- **EDFN 6702 - Leadership for Student Development and Academic Success in Colleges and Universities**

---

(3)

Prerequisite: Admission into the Ed.D. program in Educational Leadership. Research and models of organizational cultures and leadership practices that foster successful academic and career development for diverse populations of students in urban community colleges and higher education institutions.

- **EDSP 6100 - Research, Issues, and Practices in College and University Teaching**

---

(3)

Prerequisite: Post-master's degree standing or permission of instructor, adviser, and division chair. Current research, issues, and practices in college and university teaching; instructional planning and preparation; student and program evaluation; non-instructional responsibilities of faculty.

- **EDSP 6110 - Seminar/Practicum:Teacher Preparation**

---

(3)

Prerequisite: Post-master's degree standing or permission of instructor, adviser, and division chair. Discussion and demonstration of instruction and assessment practices in higher education teaching and supervision of student field and laboratory teaching assignments in teacher preparation. Seminar and supervised teaching experience in university teaching and/or supervision in special education.

### **History (Undergraduate)**

*Upper division standing is prerequisite to all 3000 and 4000-level history courses, unless otherwise noted.*

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **HIST 1010 - World History to 1500 CE**

---

(3)

The history of human societies and their interactions in the pre-modern world.

**GE D (d)**

- **HIST 1020 - World History since 1500 CE**

---

(3)

The history of human societies and their interactions in the modern world.

\*C-ID HIST 180

*\*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE D (d)**

- **HIST 1500 - Asian-American History**

**(Also listed as AAAS 1500)**

---

(3)

Survey of the Asian experience in America from 1850 to the present. Emphasis on regional and historical context, and the intersectionality of race and ethnicity with class and gender.

**GE C AM (re)**

- **HIST 1600 - History of Asia**

**(also listed as AAAS1600)**

---

(3)

History of Asia with an emphasis on major themes and methodologies in the field.

**GE D (d)**

- **HIST 2010 - United States History to 1877**

---

(3)

Political, economic, social and cultural development of the United States and its diverse peoples from earliest settlement through Reconstruction.

**CI-D HIST 130:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE C; AM; (d)**

- **HIST 2020 - United States History , 1877 to Present**

---

(3)

Political, economic, social, and cultural development of the United States and its diverse peoples since 1877.

**CI-D HIST 140:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE C AM (d)**

- **HIST 2050 - Race and Ethnicity in United States History**

---

(3)

This course explores U.S. history through the lens of race and ethnicity from the 1400s to the present, emphasizing race and ethnicity's intersections with gender and socio-economic class.

**GE C; AM; (re)**

- **HIST 3000 - Early Field Experience in History-Social Science Education**

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(3)

Early field experiences in History-Social Science education in 7th-12th grade schools. Activities conducted in the course correlate with content from the California Subject Matter Standards in History-Social Science.

- **HIST 3050 - Public History**

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(3)

A theme or episode in history examined thoroughly using the theories and methods of public history, oral history, community engagement and/or service learning.

- **HIST 3080 - Historiography**

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(3)

Prerequisites: 12 units of history course work and satisfactory completion of the Graduation Writing Assessment Requirement (GWAR). History of historical thought from ancient to contemporary historians. Special emphasis on modern historiography. Practical experience writing historiographical essays.

- **HIST 3090 - Historical Research and Writing**

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(3)

Prerequisite: HIST 3080. Introduction to historical research and writing; ideas, methods, and practical experience in investigating historical problems

**(wi)**

- **HIST 3100 - Classical Civilization and the Modern World**

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(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The Classical Tradition and its legacy. Multicultural origins of the Classical Tradition, their social, political, and cultural manifestations, significance in the contemporary modern world.

**GE UD D (d)**

- **HIST 3300 - Big History: From The Big Bang Until the Present**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Covers eight thresholds of universal history, from the creation of the universe through the origin of life through the Anthropocene Epoch: human history in its broadest ecological and biological context.

**GE UD B**

- **HIST 3350 - Global History of World War II**

---

(3)

Pre-requisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of the war's origins, conduct, and legacies. Issues include ethics and war, genocide, human rights, military/civilian experience mediated by race, ethnicity, class, gender, sexuality, religion, and ability.

**GE UD D (d)**

- **HIST 3400 - Race, Ethnicity, and the History of US Civil Rights Movements**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the history of various modern U.S. social movements for racial and ethnic equality and justice.

**GE UD D (re)**

- **HIST 3405 - LGBT Political History in the US**

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**Also listed as WGSS 3400 LGBT Political History in the US**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. A survey of lesbian, gay, bisexual, and transgender communities, political struggles, and aesthetic expressions in the United States.

**GE UD D (d) (cl)**

- **HIST 3450 - Rise of Urban America**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the growth and diversification of the infrastructure and population of American cities, and the challenges of maintaining civic relations, public health, and social opportunity for their residents.

**GE UD D (cl)**

- **HIST 3480 - California**

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(3)

The complexities and diversity of California History from Indigenous History to the Present.

- **HIST 3510 - A History of Violence: Conflict, War, and Resolution**

---

(3)

Prerequisites: Completion of blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Conflict, violence, war and their relationships with gender, religion, science/secularism, and race/ethnicity; strategies for conflict resolution and peace. Course is global in outlook, using critical theory and case studies.

**GE UD D (d)**

- **HIST 3520 - Oral History of Asian America**

**(also listed as AAAS 3520)**

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(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploring Asian American identities and experiences through interviews, with an emphasis on the intersectionality of race and ethnicity with class and gender.

This is a service learning course that requires students to spend a substantial amount of time participating in service activities off campus.

**GE UD D (re) (cl)**

- **HIST 3560 - History of Emotions**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Historical changes in emotional expression, meaning, and sensibilities, as constructed by gender, sexuality, ethnicity, race, socioeconomic class, nationality, and religion.

**GE UD C (d)**

- **HIST 3570 - Gender and Sex in History**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Explores historical understandings and experiences of gender and sexuality through texts, arts, and material cultures, including the intersectionality of masculinity and femininity with race, ethnicity, class, religion, and nationality.

**GE UD C (d)**

- **HIST 3600 - Revolution in History**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Comparative and Historical Examination of the origins and outcomes of global revolutions and revolutionary movements from the 1950s to the present .

**GE UD D (d)**

- **HIST 3700 - Labor History**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A history of work, workers, and labor movements in the modern world; theoretical and methodological introduction for the fields of labor history and studies.

**GE UD D (cl) (d)**

- **HIST 3800 - Ancient and Modern Science**

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**(Also listed as PHIL 3800 and CHEM 3800)**

(3)



Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A systematic analysis of ancient scientific thought and its relationship to modern science.

**UD GE B**

- **HIST 4000 - Special Lectures in History**

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(3)

Lectures on special historical topics not regularly given by department. May be repeated for credit as topic changes.

- **HIST 4010 - History of Globalization: Themes and Continuities**

---

(3)

Analysis of the economic, political, and cultural origins of globalization, and of the historical precedents and parallels for contemporary manifestations and consequences of the phenomenon.

- **HIST 4020 - Oceans in World History**

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(3)

Global history and historiography of human adaptation to and interaction with the ocean environment, exploring how the seas have shaped human history, and how human actions over the centuries have shaped the seas.

- **HIST 4090 - Sexuality in the Americas**

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(3)

A social and cultural history. Study of the construction of sexual desires, attitudes and behaviors in the Americas from pre-conquest times to the present.

- **HIST 4110 - History of Ancient Greece**

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(3)

Political and cultural study of Ancient Greece from Minoan- Mycenaean period to end of 5th century.

- **HIST 4120 - Greek History: The Alexandrian Age**

---

(3)

Political, social, and religious developments from conquests of Alexander to rule of Islam; a history of Hellenistic, Roman, and early Byzantine rule in Near East.

- **HIST 4130 - Early Rome, The Republic**

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(3)

Internal and external development of the Roman republic from 8th Century B.C. to the death of Julius Caesar, 44 B.C.

-

## HIST 4140 - The Roman Empire

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(3)

Roman history from the death of Julius Caesar, 44 B.C., to the fall of the city, 410 A.D.

- HIST 4150 - History of Ancient Greek and Roman Religions

**Also listed as RELS 4150**

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(3)

Greek and Roman religious ideas from 2500 BCE until 500 CE: from Indo-European nomadic religion through "classical" Greco-Roman city-state polytheism, mystery cults, and tragedy's exploration of religious themes until Christianity.

- HIST 4190 - Ancient Near East: 4000-323 B.C.

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(3)

Extensive study of earliest civilizations-Egyptian, Mesopotamian, Syrian, Persian, and Hebrew-and their historical legacy to Western world.



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# University Catalog

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### History (Undergraduate)

*Upper division standing is prerequisite to all 3000 and 4000-level history courses, unless otherwise noted.*

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **HIST 4210 - Post-Roman Europe**

---

    - (3)
    - Europe from the fall of Rome to the empire of Charlemagne, ca. 300-900 CE: political, social, economic, religious and cultural developments.
  
- **HIST 4220 - The Middle Ages**

---

    - (3)
    - Europe from the age of the Vikings to the dawn of the Renaissance, ca. 900-1450 CE: political, social, economic, religious and cultural developments.
  
- **HIST 4225 - Religion and Society in Medieval Europe**

---

    - (also listed as RELS 4225)**

---

      - (3)
      - History of European religious beliefs and practices from the 3rd to the 15th centuries, emphasizing the diversity within medieval Christianity.

- HIST 4230 - Renaissance and Reformation

---

(3)

Changes that shaped the course of early modern Europe to 1600, with emphasis on nature of period's leading phenomena, the Renaissance and the Reformation.

- HIST 4240 - Science, Enlightenment, and Empire

---

(3)

Transformations in European society, politics, economics, religion, and culture during the seventeenth and eighteenth centuries, and the impact of those transformations on European views of the natural and human worlds.

- HIST 4250 - French Revolution and Napoleon

---

(3)

History of Europe during period of French Revolution and Napoleon.

- HIST 4260 - Europe: 1815-1890

---

(3)

Explores the political, social, economic, and cultural history of Europe between 1815 and 1890, including political, economic, and scientific transformations, the industrial revolution, changing gender relations, nationalism and imperialism.

- HIST 4270 - Europe: 1890-1945

---

(3)

Explores the multiple points of crisis leading to World War I, the rise of Communism, Fascism, Nazism, the Spanish Civil War, World War II, and the Holocaust.

- HIST 4280 - Europe since 1945

---

(3)

Explores the political, social, economic, and cultural history of Europe since World War II, including postwar recovery, the Cold War, decolonization, the fall of communism, and the European Union.

- HIST 4310 - History of Modern Germany

---

(3)

History of modern Germany, with emphasis upon 20th century.

- HIST 4340 - The British Empire

---

(3)

Political and economic development of British Empire since late 18th century, with major consideration to expansion of colonial empire and evolution of modern empire commonwealth.

- **HIST 4350 - History of Modern France**

---

(3)

Explores the political, social, economic, and cultural history of modern France since the French Revolution.

- **HIST 4360 - Imperial Russia: 1801-1917**

---

(3)

History of Russia from accession of Alexander I to end of Romanov dynasty in 1917.

- **HIST 4370 - The Soviet Union**

---

(3)

Background and history of revolutions of 1917 and subsequent historical development of Soviet Union.

- **HIST 4410 - Pre-colonial Sub-Saharan Africa**

---

(3)

African continent south of the Sahara, earliest times to latter half of 18th century.

- **HIST 4420 - History of Africa since 1800**

---

(3)

Explores the political, social, economic, and cultural history of Africa; slave trade and abolition, European colonialism, Africa in the World Wars, decolonization, independence, development of African states.

- **HIST 4450 - Islamic Empires in World History: 600s-1919**

---

(3)

Origins of Islam, Rise and Fall of Umayyad, Abbasid, Fatimid, Saljuk, Mamluk, Mughal, Safavi, Qajar and Ottoman Empires in Global Context.

- **HIST 4460 - The Islamic Middle East: 1258-1919**

---

(3)

Post-Mongol near east; Mamluk Egypt; Il-Khani, Timuri, Safavi and Qajar Iran; rise and fall of the Ottoman Empire; nationalism, revolution and European imperialism; emergence of modernity and modern nation-states.

- **HIST 4480 - History of Islamic Central Asia**

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**(also listed as AAAS 4480)**

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(3)

History in global context of the region encompassing Afghanistan, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan, from the seventh century to the present, with emphasis on common religious and cultural trends.

- **HIST 4490 - Pan Asianism: 19th-20th Century Asian Intellectual History**

**Also listed as AAAS 4490**

---

(3)

Study of 19th and 20th century diverse Asian intellectual and political responses to the modern world, experienced particularly, but not exclusively, in the form of European imperialism and colonialism.

- **HIST 4500 - Traditional China**

---

(3)

Chinese civilization from earliest times to 1500.

- **HIST 4510 - Modern China**

---

(3)

Social, political, and economic development of mainland China from 1500 to 1949.

- **HIST 4520 - People's Republic of China**

---

(3)

Political, economic, social, and foreign relations issues of Communist China since 1949.

- **HIST 4540 - Modern Japan**

---

(3)

Social, political, and economic development of Japan since 1868.

- **HIST 4600 - The Chicano Movement**

**(also listed as CHS 4260)**

---

(3)

Prerequisite: Upper-division standing. Examines the Chicano Movement of the 1960s and 1970s from an interdisciplinary perspective. Topics include: grassroots, student, and youth activism; antiwar movement; La Raza Unida Party; Chicana feminism, and the Chicano cultural renaissance.

- **HIST 4610 - Early Latin America: Conquest to 1850s**

---

(3)

History of Latin America from the European Conquest to the 1850s; focus on colonization, process of independence, and state formation.

- HIST 4620 - Modern Latin America: 1860s to the present

---

(3)

A focus on the impact of modernization and the struggle for social, political, and economic development since the 1860s.

- HIST 4640 - History of Central America and the Caribbean

---

(3)

Political, social, economic, and cultural history of Central America and the Caribbean since the 19th century.

- HIST 4650 - Brazil

---

(3)

Brazilian history from Portuguese occupation of eastern South America through colonial period, independent empire, and the republic to present time.

- HIST 4660 - Colonial Mexico

---

**(also listed as CHS 4660)**

(3)

Social, political, economic, and cultural history of Mexico from the early 16th century through Independence.

- HIST 4665 - Modern Mexico

---

**Also listed as CHS 4665**

(3)

Social, political, economic, and cultural history of Mexico from Independence to the recent past.

- HIST 4670 - Modern Mexico and the Chicano People

---

**(also listed as CHS 4670)**

(3)

Prerequisite: CHS 1110. Recommended: CHS/HIST 4660C. History of modern Mexico and its impact upon the Chicano people from separation from Mexico in 1848 to the present.

- HIST 4690 - Indigenous Peoples of the Americas

---

(3)

Political, social, economic, and cultural history of indigenous peoples of North, South, and Central America from pre-Columbian to modern times.

- HIST 4700 - The Colonial Heritage: The United States, 1607-1763

---

(3)

Transfer of Old World institutions to British North America. Development of colonial society to end of French and Indian War.

- HIST 4710 - Era of Revolution: The United States, 1763-1815

---

(3)

Causes and nature of American Revolution and development of the new nation through end of War of 1812.

- HIST 4720 - Democracy, Dissent, and Disunion: The United States, 1815-1877

---

(3)

Political democracy; nationalism and sectionalism; slavery and reform; the Civil War and Reconstruction.

- HIST 4730 - The United States, 1877-1918

---

(3)

Industrialism and urbanization, international expansion, the Progressive Era and coming of World War I.

- HIST 4740 - The United States, 1918-1973

---

(3)

The 1920s, Depression and New Deal, World War II, Cold War and Vietnam War, Suburbs and Cities, Civil Rights, Conservatism, Women's Liberation, and 1960s Radicalism and Counterculture.

- HIST 4750 - The United States, 1973 to Present

---

(3)

Recent U.S. History: political, social, economic, cultural, and international developments.

- HIST 4760 - Economic History of United States

---

(3)

American economic development, industrialization, national legislation in industry and commerce.

- HIST 4770 - United States Social History

---

(3)

The social structure; social relations of American individuals, families, and groups; colonial period to the present.

- HIST 4775 - American Religious History



**(also listed as RELS 4775)**

---

(3)

Principal religious figures, groups, issues, and movements in U.S. history, with an emphasis on their place in the development of American culture.

- **HIST 4780 - History of United States International Relations**

---

(3)

International relations of the US with emphasis on the 20th century.

- **HIST 4790 - Constitutional History of United States**

---

(3)

U.S. Constitution and American constitutionalism from colonial times to present.

- **HIST 4800 - Ethnicity and Immigration in American History**

---

(3)

Role of national, racial, and religious minority groups, and of immigration, in American history.

- **HIST 4810 - Special Topics in the U.S. West**

---

(3)

Special topics lectures about history of the West; e.g., the Westward Movement, the urban West, Southwestern history, and women in the West. May be repeated for credit as topic changes.

- **HIST 4820 - History of US Popular Culture**

---

(3)

Examination of popular culture, folk culture, and mass media from the 19th century to the present, emphasizing themes of race, immigration, gender, social class, globalization, and the meaning of happiness.

- **HIST 4830 - Poverty and Anti-Poverty in American History**

---

(3)

Prerequisites: Upper division standing. The history and politics of poverty in America; anti-poverty strategies of the state, religious organizations, labor unions, grass-roots organizations, and the poor themselves. Four hours of lecture/discussion; service learning option.

- **HIST 4840 - Civil War and Reconstruction**

---

(3)

Forces that split the Union; slavery, war, and the position of blacks; Reconstruction and its failures.

- HIST 4850 - U.S. Women to 1877

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(3)

Social, intellectual, economic, and political experiences of U.S. women from preconquest to 1877.

- HIST 4860 - U.S. Women, 1877 to the Present

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(3)

Social, intellectual, economic, and political experiences of U.S. women, 1877 to present.

- HIST 4870 - History of U.S. Work and Working People

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(3)

Transformation of work and social and political relations of workers in the U.S. from 1600 to the present.

- HIST 4890 - Los Angeles

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(3)

Development of Los Angeles and its metropolitan areas from pueblo times to present.

- HIST 4900 - Research Capstone: Special Studies in History

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(3)

Prerequisites: HIST 3080 and 3090. Undergraduate research seminar on a specific period, theme or episode in history. Individual historical research, article-length original essay, and written and oral reports. May repeated up to six units for credit as topic changes.

**(wi)**

- HIST 4950 - Internship in Applied History

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(1-3)

Pre-requisite: HIST 3090 Internship in which students apply their skills as historians in work with a community partner. May be repeated to a maximum of 6 units.

- HIST 4960 - Issues in Teaching History-Social Science

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(3)

Prerequisites: HIST 3880 and HIST 3090, or LBS 3010 and LBS 3600. Explores issues and concepts involved in teaching History-Social Science in California public schools.

- HIST 4970 - Editing and Publishing Perspectives

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(3)

Prerequisite: HIST 3090 and Consent of instructor. Techniques and practice in editing and producing a scholarly journal of research and review. May be repeated to a maximum of 6 units.

- HIST 4990 - Undergraduate Directed Study

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(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated to maximum of 6 units as topic changes.

### History (Graduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission for all 5000-level courses.*

- HIST 5000 - Introduction to Graduate Study in History

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(3)

Prerequisite: HIST 3080 or equivalent. Introduction to theoretical and historiographical issues relevant to graduate study in history.

- HIST 5010 - Seminar: Special Studies

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(3)

Prerequisite: HIST 5000 or equivalent. Topics of special interest that transcend cultural and chronological lines, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- HIST 5050 - Seminar: World History

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in world, global, transnational, and/or comparative history.

- HIST 5100 - Seminar: Ancient History

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in Greek or Roman history. May be repeated for credit.

- HIST 5200 - Seminar: History of Middle Ages

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in the history of the Middle Ages. May be repeated for credit.

- HIST 5250 - Seminar: Early Modern European History

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in early modern European history.

May be repeated for credit.

- **HIST 5300 - Seminar: Recent European History**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in recent European history. May be repeated for credit.

- **HIST 5350 - Seminar: Russian History**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in Russian history. May be repeated for credit.

- **HIST 5400 - Seminar: Modern African History**

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(3)

Prerequisite: HIST 5000 or equivalent. Explores the political, social, economic, and cultural history of modern Africa; abolition of the slave trade; European colonialism; Africa in the World Wars; decolonization; independence; and development of African states.

- **HIST 5450 - Seminar: Middle Eastern History**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in Middle Eastern history. May be repeated for credit.

- **HIST 5550 - Seminar: Recent Asian History**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in recent Asian history. May be repeated for credit.

- **HIST 5600 - History of Colonial Latin America**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in the colonial history of Latin America.

- **HIST 5610 - History of Modern Latin America**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and historiography paper on selected topics in the history of modern Latin America.

- **HIST 5650 - Seminar: History of Mexico**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in Mexican history. May be repeated for credit.

- **HIST 5700 - Seminar: Early History of U.S.**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in the early history of the United States. May be repeated for credit.

- **HIST 5750 - Seminar: Recent History of U.S.**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in the recent history of the United States. May be repeated for credit.

- **HIST 5770 - Seminar: American Social and Intellectual History**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in American social and intellectual history. May be repeated for credit.

- **HIST 5780 - Seminar: History of the U.S. West**

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(3)

Prerequisite: HIST 5000 or equivalent. Readings, discussion, and paper on topics in history of the U.S. West. May be repeated for credit.

- **HIST 5950 - Seminar in Historical Research and Writing**

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(3)

Prerequisite: HIST 5000 or equivalent. Seminar in historical research methods and writing, culminating in a written research project.

- **HIST 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **HIST 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **HIST 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: HIST 5000 and instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit to a maximum of 6 units.

- **HIST 5990 - Thesis**

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(1-3)

Prerequisites: Advancement to candidacy, HIST 5000, HIST 5950, instructor consent to act as thesis director, and departmental approval of topic prior to registration. Independent research resulting in a thesis. Must be repeated to total of 4 units. Graded CR/NC.

- **HIST 9000 - Graduate Studies**

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(0)

Prerequisite: HIST 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

#### **Honors (Undergraduate)**

- **HNRS 1010 - Introduction to Academic Inquiry in the Honors College**

---

(3)

Co-requisites: HNRS 1100. Explores ways of knowing across the disciplines; introduces students to Honors College learning goals; examines strategies for undergraduate success. Graded ABC/NC.

**GE IHE; E**

- **HNRS 1100 - Reading Los Angeles: Communication in the City of Angels**

---

(3)

Explores oral communication through analysis, synthesis, and presentation of discourse in a public forum, focusing on oral communication about and in the global metropolis.

**GE A1**

- **HNRS 1200 - Reading Los Angeles: Engaging Cultural Expressions in a Global City**

---

(3)

Explores cultural expression and creativity in globalized urban contexts. Interdisciplinary exploration of artistic and creative expression (literature, art, theater, dance, film, music, and other cultural forms) in Los Angeles.

**GE C1**

- **HNRS 1300 - Reading Los Angeles: Community and Structure in the Metropolis**

---

(3)

Strategies for understanding the social, political, economic, and cultural structures and processes that shape the modern metropolis.

**GE D; (cl)**

- **HNRS 2200 - Science and Fiction**

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(3)

Examination of cultural representations of science in genres such as science fiction, and exploration of how science is shaped by cultural beliefs.

**GE C2; (wi)**

- **HNRS 2210 - Critical Questions and Challenging Texts**

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(3)

Examination of enduring and emerging questions critical to understanding the diversity and complexity of the human search for meaning, value, and purpose through study of challenging historical and contemporary texts.

**GE C2; (wi)**

- **HNRS 2300 - Social Innovation and Civic Engagement**

---

(3)

This multidisciplinary course focuses on the understanding, practice and implementation of social innovation and civic engagement in providing creative solutions to social, political and ecological issues, locally, nationally and internationally.

**GE D**

- **HNRS 2900 - Honors Declaration**

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(0)

Prerequisites: Sophomore standing in the Honors College; minimum 3.3 GPA. Students must complete this course prior to or concurrently with their first upper division Honors College course. Students complete and submit an Honors Declaration document. Graded CR/NC.

- **HNRS 3200 - Humanities Approaches to Race, Ethnicity, and “Wicked” Problems**

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(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Prerequisite or co-requisite: HNRS 2900. Interdisciplinary approaches to studying race, ethnicity, and a complex “wicked problem”-such as gentrification, human rights, or the HIV/AIDS pandemic-from the perspective of the arts and humanities.

**GE UD C; (re); (wi)**

- **HNRS 3250 - Human Rights and Literature**

---

(3)

Prerequisite: Upper division Honors College standing. Examination of how literature contributes to the conceptualization of human rights; discussing the ethics of storytelling in relation to global human rights issues, analyzing formal and cultural distinctions across a variety of genres.

**APPROVED DIVERSITY COURSE**

**GE HONORS THEME (Humanities) Upper Division HONORS**

- **HNRS 3300 - Addressing “Wicked” Problems through the Social Sciences: A Case Study in Diverse Communities**
- 

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Prerequisite or co-requisite: HNRS 2900. This course provides an interdisciplinary approach to a complex “wicked problem”- such as food justice and social and economic inequality in diverse ethnic communities-from the social sciences perspective.

**UD GE D; (d); (cl)**

- **HNRS 3350 - Global Citizenship: Voices and Contexts**
- 

(3)

Prerequisite: Upper division Honors College standing. Analysis of globalization’s historical roots and political, economic, and cultural consequences, comparing novelistic, personal, and social-scientific perspectives; highlights dislocations, conflicts, opportunities, and transformations resulting from global migrations.

**APPROVED DIVERSITY COURSE**

**Upper Division HONORS THEME (Social Sciences)**

- **HNRS 3400 - Addressing “Wicked” Problems: A Natural Sciences Case Study**
- 

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Prerequisite or co-requisite: HNRS 2900. This course is an in-depth study on a significant environmental and biological problem that has complex interactions with and profound impacts on our ecosystem and human society.

**GE UD B**

- **HNRS 4950 - Honors College Thesis: Research and Prospectus**
- 

(3)

Prerequisites: Senior standing in the Honors College; minimum 3.3 GPA. Advanced research methods, writing the thesis prospectus, designing a research plan, and writing a literature review.

- **HNRS 4960 - Honors College Thesis and Senior Forum**
- 

(3)

Prerequisites: HNRS 4950; Senior standing in the Honors College, minimum 3.3 GPA. Interdisciplinary undergraduate research course devoted to completion and presentation of senior projects and theses connected with the learning goals of the Honors College, for students who completed HNRS 4950.

- **HNRS 4970 - Honors College Senior Forum**
- 

(1)



Prerequisites: Senior standing in the Honors College; submission of an Honors thesis prospectus; minimum 3.3 GPA. Interdisciplinary undergraduate research course devoted to completion and presentation of senior projects and theses, for students who completed a prospectus using an Honors Contract. Consultation with a major advisor is strongly encouraged prior to enrollment.

- **HNRS 4990 - Honors College Undergraduate Directed Study**

(1-3)

Prerequisites: Consent of Honors College faculty mentor and Director/Associate Director; minimum 3.3 GPA. Course allowing completion of an undergraduate research, scholarly, creative, or community engagement project or activity with faculty mentorship. Consultation with major advisor is strongly encouraged prior to enrollment. Graded CR/NC.

**Information Systems (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000- level CIS courses.*

- **CIS 1200 - Information and Technology Literacy**

**Also listed as CS 1200**

(3)

Development of Information and technology competency through knowledge of computer hardware, systems software, telecommunication networks, application software, web page creation, and ethical and societal implications. Personal computer software suite activities.

**C-ID ITIS 120/BUS 140:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources   |
|--|--|--|--|---|--|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> </ul> |



# University Catalog

## Catalog Search

Semester Catalog 2017-2018

Courses

## Course Descriptions

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### Course Filter

Filter this list of courses using course prefix, course code, keywords or any combination.

|  |   |                      |                      |
|--|---|----------------------|----------------------|
| Prefix:                                      | Code or Number:                           | Type                 | Keyword or Phrase:   |
| <input type="text" value="All prefixes..."/> | <input type="text" value="All types..."/> | <input type="text"/> | <input type="text"/> |
| Find whole word or phrase only.              |   |                      |                      |

### Information Systems (Undergraduate)

Upper division standing is prerequisite to enrollment in 3000- and 4000- level CIS courses.

#### • CIS 2830 - Introduction to Application Programming

(3)

Prerequisite: CIS 1200. Introduction to structured and object-oriented programming including variables, declarations, statements, expressions, classes, methods, decisions structures, loops, and arrays.

#### • CIS 3010 - Management Information Systems

(3)

Prerequisite: CIS 1200 or equivalent recommended. Organizational context of computer-based information systems; common application systems; information architecture; user role in systems development; social and ethical implications.

#### • CIS 3050 - Database Design and Development

(3)

Prerequisites: Knowledge of Microsoft Windows and programming language. Role of databases in information systems; data modeling using entity-relationship analysis; relational databases concepts, design, development and management; normalization; SQL; implementation of databases applications.

- CIS 3060 - Systems Analysis and Design

---

(3)

Prerequisite: CIS 3050. Life cycle and methodologies; requirements determination, logical design, physical design, test and implementation planning, and performance evaluation; communication and interpersonal skills; analysis methods and tools; impact of emerging technologies.

- CIS 3200 - Data Processing and Analytics

---

(3)

Prerequisite: CIS 1200 or Equivalent. Intensive and hands-on instruction in using software applications including spreadsheet, database management, application integration, data mining, data visualization and e-collaboration in the cloud environment.

- CIS 3610 - Web Design and Development

---

(3)

Prerequisites: CIS 1200 or equivalent. An introduction to E-business infrastructure, issues and development. Programming for the web and web publishing tools. Hands-on projects reflect problem-solving skills in the E-business world.

- CIS 3830 - Multimedia and Game Application Programming

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(3)

Prerequisite: CIS 1200 or equivalent. Introduction to the development of gaming applications in multimedia environments using software developmental tools. Hands-on projects reflect the real-world entertainment industry.

- CIS 3850 - Systems and Network Administration

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(3)

Systems architecture and networking fundamentals; design, implementation and operation of a networked server center; user support and resource management; internetworking and interfacing with the Internet. Hands-on installation of a popular server-level operating system.

- CIS 3980 - Undergraduate Directed Study

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**Also listed as UNIV 3980**

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(3)

Total CIS 3980 and 4980 units for the Computer Information Systems major may not exceed 6 and require adviser approval.

- CIS 4100 - Hardware and Software Architecture

---

(3)

Analysis of contemporary information technology architectures and environments, including: multi-tiered client/server architectures; enterprise, workgroup, and personal systems hardware and operating systems; and systems and program

planning and development tools.

- **CIS 4200 - Business Intelligence and Data Warehouse**

---

(3)

Prerequisites: CIS 3010 Technical coverage on multidimensional data models and business intelligence; transforming enterprise data and social media data into useful enterprise information using BI tools; hands-on experience building enterprise data warehouses

- **CIS 4220 - Routing Configuration and Router Administration**

---

(3)

Prerequisites: CIS 4840 or equivalent. Introduction to WANs, Cisco router and its configuration, Cisco internetworking operating system (IOS), static and dynamic routing protocols, intermediate TCP/IP, ACLS, and basic router troubleshooting. Hands-on projects help students to establish the direct experience on router configurations. Preparation for CCNA Routing and Switching certification & CompTIA Network+ certification.

- **CIS 4230 - Intermediate Routing and LAN Switching**

---

(3)

Prerequisite: CIS 4840 or equivalent. Introduction to LANs, cabling, classless IP addressing techniques: CIDR, subnetting, LAN switching and design, switch configuration, Spanning Tree protocol, VLANs, VLAN trunking protocol, analyzing computer networks, and troubleshooting. Hands-on projects help students to establish the direct experience on switching configurations. Preparation for CCNA Routing and Switching certification & CompTIA Network+ certification.

- **CIS 4240 - Wide Area Networks**

---

(3)

Prerequisite: CIS 4840 or equivalent. Introduction to WANs, WAN physical and data link protocols, WAN connections, Internet access with dial-up/DSL/Cable TV modems, Remote access servers, PPP, ISDN, DDR, T-carrier, SONET, Frame Relay, ATM, Carrier Ethernet, VPNs, WAN routing, LAN/WAN design & Integration, Internet data traffic analysis, Internet application services, and network management. Preparation for CCNA & CompTIA Network+ certifications.

- **CIS 4370 - Security Risk Management and Internal Controls**

---

**(also listed as ACCT 4370)**

(3)

Prerequisite: CIS 3010. Introduction to information security risk management including internal controls, operations security, risk assessment, incident management, business continuity and disaster recovery planning, legal issues and ethics, information security program development.

- **CIS 4380 - Computer Forensics and Investigations**

---

**(also listed as ACCT 4380)**

(3)

Prerequisites: CIS 3010. Introduction to selected techniques and tools for computer forensics and investigations. Topics include coverage of the latest technology. Hands-on activities allow students to practice skills as they are learned.

- **CIS 4450 - Network Application Development**

---

(3)

Prerequisite: CIS 3050. Design and implementation of multiuser business applications emphasizing client/server technology.

- **CIS 4510 - Fundamentals of ERP Technology**

---

(3)

Prerequisite: CIS 3010 or equivalent. Enterprise Resource Planning (ERP) database analysis; ERP fundamentals and functionality; ERP systems applications architecture contexts; business processes integration and data reuse hands-on projects using ERP software.

- **CIS 4540 - Special Topics in Computer Information Systems**

---

(3)

Prerequisites: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for credit to maximum of 6 units.

- **CIS 4550 - Visual Basic .NET Database Application**

---

(3)

Prerequisite: CIS 2830. Introduction to Database and Web connection using Object-oriented programming, Visual Basic .NET, including classes, objects, variables, web application, data access and storage, Database connection, and ASP.NET. CAN CSCI 8

- **CIS 4560 - Introduction to Big Data**

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(3)

Prerequisite: CIS 2830. Practical knowledge of Big Data. How to process and store Big Data using MapReduce and NoSQL DB. Includes hands-on examples.

- **CIS 4570 - Advanced Java Programming**

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(3)

Prerequisite: CIS 2830. Introduction to application programming with Java. Advanced object-oriented programming for business applications in Java, including applications vs applets, classes, objects, methods, inheritance, interfaces, arrays, multimedia, exceptions, threads, GUIs, and databases.

- **CIS 4580 - E-business Application Development with Oracle**

---

(3)

Prerequisite: CIS 3050 and CIS 2830. Introduction to technical architecture and technology solutions required to implement e-business applications in the real world. Includes fundamentals of database application development,

connectivity, embedded SQL, and server-side technology.

- **CIS 4590 - Advanced Information Systems Development**

---

(3)

Prerequisite: CIS 3010. Design and implementation of an information system; development in an object-based programming and relational data base enterprise environment; group project.

- **CIS 4720 - Wireless Communications and Networks**

---

(3)

Prerequisite: CIS 1200 or equivalent. Provides an introduction to wireless communication systems, including WPANs, WLANs, WMANs, WWANs, WSNs, and wireless local loop. Wireless architecture and technologies, QoS, security, multimedia, and business applications will be discussed.

- **CIS 4730 - Network Security Essentials and Practice**

---

(3)

Prerequisite: CIS 1200 or equivalent. Introduction to practical computer and network security. Hands-on projects help students to establish the direct experience of using a large array of software program tools on information system security.

- **CIS 4760 - Project Planning with Microsoft Project**

---

(3)

Prerequisite: CIS 1200 or Equivalent of Computer Proficiency. The course covers the four phases in the life cycle of a typical project development: initiating, planning executing and closing. Discusses principles associated with effective project management and how to apply these principles in a business environment. Students will become familiar with commonly available compute] software tools, and apply the material to a real world project. This is a project based course, and has a significant hands-on component.

- **CIS 4810 - Healthcare Application Systems**

---

(3)

Prerequisites: CIS 3010 Technical coverage of healthcare application systems including healthcare system workflow, infrastructure, evaluation, clinical and patient data structures, Healthcare Level 7 protocol and hands-on experience with healthcare applications.

- **CIS 4840 - Communications Systems**

---

(3)

Prerequisite: CIS 1200 or equivalent. Data communications and local area network topics including communications theory, communication hardware and software, TCP/IP, Internet infrastructure and standards, LANs, WANs, cloud computing and Internet security.

- CIS 4850 - Computer Networks

---

(3)

Prerequisite: CIS 4840. Networking fundamentals, design and implementation of LANs, server installations and management, user and resource management, internetworking; virtualizations; cloud computing.

- CIS 4860 - Managing Information Systems Projects

---

(3)

Prerequisites: CIS 3060. Effective behavioral and technical methods used in managing information systems development over the project life cycle.

- CIS 4870 - Decision Support Systems

---

(3)

Prerequisites: CIS 1200 or equivalent. Use of technologies such as data mining, data warehousing, neural networks, artificial intelligence, knowledge management and business intelligence to support business decision making.

- CIS 4880 - Information Security

---

(3)

Prerequisite: CIS 3010 or equivalent or permission of instructor. Broad coverage of common body of knowledge for information security: access control; application security; business continuity; cryptography; legal investigations; network and internet security; operations security; physical security; risk management; security architecture.

- CIS 4900 - Capstone: Information Systems

---

(3)

Prerequisite: Senior standing. Integration of information systems and technology core courses; provides exposure to roles of information systems and technology professionals in industry.

- CIS 4980 - Cooperative Education in Information Systems

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**(see UNIV 4980)**

(1-3)

Cooperative Education in Information Systems

### **Information Systems (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000- level courses.*

- CIS 5000 - Foundation of Information Systems

---

(3)

Hardware, systems software, applications software, and telecommunication components and architecture of operational and management oriented information systems. Cases in managing the acquisition and use of custom developed and

packaged systems.

- **CIS 5010 - Application Programming**

---

(3)

Prerequisite: CIS 1200 or equivalent. Application development for business using structured and object oriented programming; planning, designing, coding, debugging, and documenting programs.

- **CIS 5020 - Systems Analysis and Logical Design I**

---

(3)

Prerequisite: CIS 5010 or equivalent. Introduction to data structures and to structured, relational, and object database management systems. Designing and programming personal and production oriented data base system.

- **CIS 5030 - Systems Analysis and Logical Design II**

---

(3)

Prerequisite: CIS 5010 or equivalent. Packaged and custom systems development life cycles. Feasibility and requirements determination. Process, data and object modeling, design, and implementation. Change management.

- **CIS 5040 - Information Systems**

---

(3)

Overview of computer, communication and software systems. Cases in: business applications of information technology, managing the acquisition and use of application systems, and working with the information systems organization.

- **CIS 5100 - IS/IT Architectures**

---

(3)

Prerequisite: Object-oriented language programming experience. Analysis of contemporary information technology architectures and environments, including: multi-tiered client/server architectures; enterprise, workgroup, and personal systems hardware and operating systems; and business systems planning and development tools.

- **CIS 5200 - Systems Analysis and Design**

---

3)

Life cycle of systems development; UML modeling techniques; data modeling; process modeling; enterprise system integration, configuration, installation and maintenance; a case-based approach with hands-on experience in designing information systems.

- **CIS 5270 - Business Intelligence**

---

(3)

Use of technologies such as data mining, data warehousing, neural networks, artificial intelligence, knowledge management, and business intelligence to support business decision making.



- **CIS 5280 - Current Problems in Computer Information Systems**

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(3)

Prerequisite: CIS 5040. Latest research projects in computer information systems; application of research techniques and results to specific problems. May be repeated once as subject matter changes.

- **CIS 5430 - Data Base Systems**

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(3)

Data base concepts; comparison of relational and object-oriented modeling for data base systems; unified modeling language for data bases; principles of data warehousing; data base administration and development tools; case study in data base design.

- **CIS 5560 - Introduction to Big Data Science**

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(3)

Prerequisite: CIS 2830 or equivalent. This is to learn practical knowledge of Big Data and Data Science and to study how to process, store, and analyze Big Data generated from social media, web logs, financial data, marketing data etc for business intelligence using MapReduce and NoSQL DB with the examples in the labs.

- **CIS 5600 - Computer Networks**

---

(3)

Prerequisite: CIS 4840 or CIS 5850 or equivalent. Network theory; advanced network technology and concepts; trends in network hardware, software and architectures; configuration and management of servers; server virtualization; cloud computing.

- **CIS 5610 - Design of an E-Commerce Site**

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(3)

Prerequisite: Basic knowledge of HTML or XML. Analysis, development, and design of a web-based e-commerce site model for an actual business. Team projects incorporate web design, electronic transfer processing, and site development/maintenance.

- **CIS 5620 - Authoring Web Sites**

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(3)

Prerequisite: Knowledge of programming language. Hands-on course in designing and developing World Wide Web sites using HTML, CSS, JavaScript, and other technologies, with emphasis on usability.

- **CIS 5630 - Mobile Applications**

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(3)

Prerequisite: Knowledge of programming language. Hands-on course in designing and developing applications suitable for mobile devices, with emphasis on utility and usability.

- **CIS 5710 - Multimedia Communication Applications**

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(3)

Prerequisite: CIS 5040 or equivalent. Concepts and techniques involved in multimedia network communication applications: digital audio/video representation and data compression, multimedia streaming, real-time interactive audio/video, high-speed multimedia networks, multimedia databases and mobile applications programming.

- **CIS 5720 - Wireless Networks for Information Systems**

---

(3)

Prerequisite: CIS 5040 or equivalent. Concepts and techniques involved in wireless communication networks for information systems: WPANs, WLANs, WMANs, and WWANs. Wireless networking system architectures, protocols, IEEE standards, transmission methods, QoS, security, multimedia applications in business, and mobile computing for business.

- **CIS 5730 - Computer and Network Security**

---

(3)

Prerequisite: CIS 5040 or equivalent. Concepts and techniques involved in computer network and Internet security: encryption techniques, key management, authentication, Internet security protocols, attacks and defenses on computer systems, wireless network security. Hands-on projects will be part of instruction.

- **CIS 5810 - Health Care Information Systems**

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(3)

Overview of computer, communication and software systems. Cases in health care information technology applications. Development, acquisition and use of custom and packaged application systems. Working with the Information Systems Organization.

- **CIS 5830 - Information Systems Consulting**

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(3)

Approaches and tools for consulting to the modern information-age organization; presentation of the results of actual information systems consulting projects; student case study presentations.

- **CIS 5840 - Controlling and Auditing Computer Systems**

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(3)

Controlling online interactive computer/data communication systems as a challenge to management and internal and external auditors.

- **CIS 5850 - Communication and Information Services**

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(3)

Prerequisite: CIS 5040 or equivalent. Computer communication technologies and trends; communication theory, hardware, software, architectures, services and security.

- **CIS 5860 - Information Systems Project and Change Management**

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(3)

The organizational, behavioral and life-cycle aspects of the project planning, staffing, control, and implementation elements of technology-based systems.

- **CIS 5900 - IS/IT Policy and Strategy**

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(3)

Prerequisite: CIS 5040. Discussion of the strategic perspective for aligning organizational strategy, core competencies, and information systems and technology; partnership roles of the CEO and CIO.

- **CIS 5980 - Graduate Directed Study**

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(1)

Investigation of an approved project leading to written report; project selected in conference with seminar professor, and arrangements made for regular meetings during quarter. May be repeated for credit.

#### **Instructional Technology (Undergraduate)**

- **EDIT 3000 - Peace and Conflict Resolution Through the Lens of Educational Technology**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Creating local and global social change via community engagement and using current technology tools, theories and models for conflict prevention, peace-building, peace-keeping, and non-violence.

**GE UD D (CI)**

- **EDIT 4100 - Educational Technology for Urban Educators**

---

(3)

Application of educational technology including: written and online communications, reviewing resources, graphical organizers, and assistive technology. Legal, ethical, and human issues related to educational technology. Meets Level I technology standards in Education.

- **EDIT 4150 - Instructional Technology for Rehabilitation Counseling Education**

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(3)

An introductory course to assistive and instructional technologies and their application in the rehabilitation field. A variety of technology tools, management systems, and instructional modes will be discussed and examined.

- **EDIT 4300 - Information Technologies in the Classroom**

---

(3)

Using computers and electronic media to assess, analyze data, communicate, collaborate, and solve problems in education; evaluation of electronic media; designing lessons, curricula, and creating learning environments using

electronic media.

- **EDIT 4350 - Computer Systems in Education**

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(3)

Prerequisite: EDIT 4300 or permission of instructor. Computing systems and their uses in education including computer hardware, operating systems local area networks, peripherals, and telecommunications equipment. Lecture 3 hours, laboratory 2 hours.

- **EDIT 4510 - Introduction to Educational Technology**

---

(3)

Prerequisite/Corequisite: EDIT 4300. Introduction to the Educational Technology and Leadership program, careers in the field, learning theories, survey of instructional design models, an introduction to portfolios, and applications of instructional technology tools.

- **EDIT 4520 - Introduction to Instructional Design and Technology**

---

(3)

Prerequisite or Co-Requisite: EDIT 4300. Introduction to the E-Learning and New Media Design program, history, careers, theories and instructional design and Human Performance technology models, an introduction to current multimedia software applications.

- **EDIT 4720 - World Builders**

---

(3)

Prerequisite: EDIT 4300 or equivalent. Students use computers to access educational information and post graphics on the World Wide Web. Students explore future learning styles and broaden learning structures through the use of technology.

- **EDIT 4840 - Instructional Technology Authoring Tools**

---

(3)

Pre-requisite or Co-requisite: EDIT 4300 or approval of instructor. Survey of instructional technology authoring tools and their uses in developing educational software. Hands-on experience with various authoring tools.

- **EDIT 4850 - E-Learning and New Media Authoring Tools**

---

(3)

Pre-requisite or Co-requisite: EDIT 4300 or approval of instructor. Introduction to and practical experience with E-Learning and New Media tools and their uses in developing educational and training applications.

- **EDIT 4900 - Special Topics in Instructional Technology**

---

(1-3)

Prerequisite: Instructor consent. Investigation of unique problems and new developments in instructional technology. Specific subjects announced in Schedule of Classes. May be repeated for credit as subject matter changes.

## **Instructional Technology (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program*

- **EDIT 5010 - Instructional Design Theories and Applications**

---

(3)

Prerequisites: EDIT 4510, EDFN 5000. Issues, trends, theories, and research related to the integration of technology into education with a primary focus on the design and evaluation of digital age learning environments.

- **EDIT 5020 - Instructional Design**

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(3)

Prerequisites: EDIT 4300, EDIT 4520. Fundamentals of instructional design, principles of learning theory, instructional design models, strategies, and process, including analysis, design, development, implementation, and evaluation of technology-based instructional and training materials.

- **EDIT 5030 - Introduction to Online Teaching and Learning**

---

(3)

Prerequisite: Graduate standing. This course will introduce students to concepts and issues around E-Learning and Online learning emerging pedagogy, applications and how they can be integrated into today's K-12 classrooms and training environments.

- **EDIT 5040 - Instructional Design for Online Teaching and Learning**

---

(3)

Prerequisite: Graduate standing. This course provides students with the knowledge and skills for designing engaging online learning experiences using a grounded approach based on a range of theoretical perspectives and instructional design models.

- **EDIT 5050 - Authoring Tools for Online Delivery and Universal Design for Learning**

---

(3)

Prerequisite: Graduate standing. Students will study trends/issues of online content development and delivery methods, develop content using authoring tools and applications, examine interface design standards, management systems, and Universal Design for Learning.

- **EDIT 5060 - Learning Communities and Pedagogies in Online Teaching Learning**

---

(3)

Prerequisite: Graduate standing. This course will provide students with knowledge, skills, and strategies in pedagogical,

social, cognitive, managerial, and technical aspects of online teaching, moderation, facilitation, collaboration, and community building.

- **EDIT 5100 - Using Educational and Assistive Technology**

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(2)

Provides students with the ability to analyze technology and its appropriate use for facilitating the teaching and learning process for accessibility. Course examines issues and methods used in assistive technology.

- **EDIT 5400 - Graphic Design for Learning and Performance**

---

(3)

Prerequisites: EDIT 4300, 4520. Theories and principles of visual design, effectiveness, appeal and efficiency of instructional graphics and web design in educational and performance setting, learning theories, cultural influences, and technology tools that influence design process.

- **EDIT 5500 - Multimedia Design and Production**

---

(3)

Prerequisites: EDIT 4300, 4510 and 4840. Analysis, design and production of multimedia for education and training. Hands-on experience with Adobe Photoshop and Adobe Premiere for digital video editing. Students need access to web. Lecture 5 hours.

- **EDIT 5540 - Video Technology in Education**

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(3)

Prerequisite: EDIT 4510. Educational value and utilization of video technology in instructional settings; review and application of research; exploration of future uses of the medium.

- **EDIT 5560 - Technology Leadership and Innovative Learning Systems in Schools**

---

(3)

Pre-requisites: EDIT 4510, EDIT 5010. Planning and developing technology resources for schools and school districts, staff development, and funding technology in schools. Computing systems in education including computer hardware, operating systems, troubleshooting, and networks.

- **EDIT 5570 - Multimedia Design and Development**

---

(3)

Prerequisites: EDIT 4300, 4520, 4850. Analysis, design, and production of multimedia for training and education. Current research for the design, development, and implementation of applications including tutorial, drill and practice, simulation, gaming, and testing.

- **EDIT 5600 - Educational Web Design and Development**

---

(3)

Prerequisite: EDIT 4300 or CS 1600 or its equivalent, or permission of instructor. Theory and practice in design and

production of instructional graphics and web design. Using the Internet to find, research, and develop responsive web designs in education.

- **EDIT 5620 - Current Technologies**

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(3)

Emerging technologies and their impacts on teaching, learning, research, and creative applications in education will be explored, with a primary focus on experience design and new pedagogical possibilities.

- **EDIT 5630 - Introduction to Human Performance Technology (HPT)**

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(3)

Prerequisite: EDIT 4300 or approval of instructor. Introduce instructional designers, training-development, & human resource professionals to HPT. HPT is the process of analysis, design, development, implementation, & evaluation of interventions to most cost effectively influence human performance.

- **EDIT 5650 - E-Learning**

---

(3)

Prerequisite: EDIT 4520. Introduction to e-learning, online and distance learning, e-learning strategies, authoring tools, applications in K-16 and training environments. Hands-on activities will focus on design, development, implementation, and evaluation of an e-learning environment.

- **EDIT 5800 - Applied Experiences in Educational Technology**

---

(3)

Prerequisites: Advancement to Candidacy in MA in Education: Option in Educational Technology Leadership. Examination of theory and practice in educational technology field settings. Supervised practicum with educational technology specialist.

- **EDIT 5810 - Applied Experiences in E-Learning and New Media Design**

---

(3)

Prerequisites: Advancement to Candidacy in MA in Education: Option in E-Learning and New Media Design. Examination of the role and responsibilities of working as an e-learning and media specialist in field settings. Supervised product development, evaluation, empirical investigation, training, or externship.

- **EDIT 5900 - Educational Technology Portfolio Project**

---

(3)

Prerequisites: Advancement to candidacy and completion of 80% coursework in Master's Degree Option in the Educational Technology Leadership Program. This course provides students with a "capstone" experience integrating their abilities and knowledge in Educational Technology through development of an electronic portfolio useful to reviewers in the profession and potential employers.

- **EDIT 5910 - E-Learning & New Media Portfolio Project**

---

(3)

Prerequisites: Advancement to candidacy and completion of 80% coursework in Master's Degree Option in the New Media Design and E-Learning. This course provides students with a culminating experience integrating their abilities, theories and knowledge in New Media, Design and E-Learning through the development of a portfolio.

- **EDIT 5940 - Selected Studies in Instructional Technology**

---

(1-3)

Prerequisite: Consent of instructor and appropriate prerequisite. Advanced specialized topics involving instructional technology. May be repeated for credit as subject matter changes.

#### **Instructional Technology (Doctoral)**

- **EDIT 6000 - Educational Technology Leadership**

---

(3)

Prerequisite: Admission into doctoral program or consent of instructor. Examines history of technology in educational contexts; analyzes the complex interrelationships between educational technology theory, research, and policy; explores ways leadership can address innovation and the challenge of equal access.

\*Semester Units

- **EDIT 6010 - Contemporary Issues in Emerging Technologies: Blended Learning Systems**

---

(2)

Prerequisite: Admission into Doctoral Program or consent of instructor and program director. Examination of contemporary issues and practices in blended learning systems for K-20 education. Topics include definitions, current models, research, best practices, global perspectives, case studies, emerging technologies, and future trends.

- **EDIT 6020 - Human Performance Technology and Social Change**

---

(2)

Prerequisite: Admission into Doctoral Program or consent of instructor and program director. Students will learn the theories and models of HPT and apply them to analyze, design, develop, implement, and evaluate interventions using technology tools to improve human performance and promote social change.

#### **Intercollegiate Athletics (Undergraduate)**

- **ATHL 3410 - Series: Individual or Dual Sports**

---

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.



- **ATHL 3410C - Cross Country (Men's) (Women's)**

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 3410F - Track and Field (Men's) (Women's)**

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 3410T - Tennis (Women's)**

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

- **ATHL 3420 - Series: Individual or Dual Sports**

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|--|--|--|---|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts</li> <li>Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |





# University Catalog

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Semester Catalog 2017-2018

S

## Course Descriptions



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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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Find whole word or phrase only.

### Intercollegiate Athletics (Undergraduate)

- **ATHL 3420B - Baseball (Men's)**

---

    - (1)
    - Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.
  
- **ATHL 3420K - Basketball (Men's) (Women's)**

---

    - (1)
    - Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.
  
- **ATHL 3420S - Soccer (Men's) (Women's)**

---

    - (1)
    - Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.
  
- **ATHL 3420V - Volleyball (Women's)**

---

(1)

Prerequisite: Consent of coach. Only NCAA-eligible student athletes may enroll and participate in these courses. Advanced practice in performance techniques in preparation for intercollegiate competition. A maximum of 10 units of intercollegiate athletics courses may be applied toward a baccalaureate. Graded CR/NC.

### **Interdisciplinary Business (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000- level BUS courses.*

- **BUS 1010 - Introduction to Higher Education for Business and Economics Majors**

---

(3)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Graded A,B,C/NC

**IHE (CL)**

- **BUS 2000 - Work and Self Development**

---

(3)

Systematic investigation of how work shapes human understanding and behavior-past, present and future. Covers pertinent psychological, sociocultural, economic and technological issues about work and individual achievement.

**GE E**

- **BUS 2500 - Diversity, Business, and the Workplace**

---

(3)

Examines how cultural diversity drives business success as well as the knowledge and skills needed to interact effectively within diverse business environments.

**GE D (d) ; Approved diversity course**

- **BUS 3050 - Business Communications**

---

(3)

Principles of business communication; emphasis on clear and correct written communication and dynamic business presentations as tools for business decision-making.

**(wi)**

- **BUS 3950 - Community Service in Business**

---

(1-3)

Prerequisites: Upper division standing in College of Business and Economics major; approval of college interdisciplinary faculty coordinator in consultation with EPIC director, and acceptance by an appropriate community agency or director of a campus-approved business assistance or development project. Participation in work of a community agency or activities in business assistance or development projects, utilizing professional and/or vocational skills in service to community. May be repeated to maximum of 6 units. Graded CR/NC.

- **BUS 4150 - Contemporary Issues in Global Business**

---

(3)

An integrated approach to business issues in a globalized environment under different political, legal, economic and socio-cultural conditions with a focus on trade, competition, regional integration, international finance and accounting, international labor, international management, and global governance.

- **BUS 4540 - Special Topics in Business**

---

(3)

Prerequisite: Varies with topic; see Schedule of Classes for specific prerequisites. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects. May be repeated for credit for 20 units as subject matter changes.

- **BUS 4970 - Strategic Management**

---

(3)

Prerequisites: ACCT 2100, ACCT 2110, ECON 2010, ECON 2020, FIN 2050, BUS 3050, BUS 4150, CIS 3010, ECON 3060 or ECON 3090, FIN 3030, MGMT 3060, MGMT 3070, MGMT 3080, and MKT 3100; or equivalents. Integrates business knowledge developed in core courses; provides interdisciplinary exposure to complex executive decisions in business, including global strategy under conditions of uncertainty.

- **BUS 4980 - Advanced Cooperative Education**

---

(1-3)

Prerequisite: Completion of senior level courses appropriate to experience; Cooperative Education coordinator. Participation in work experience integrated with academic program experience integrated with academic program; assignments arranged individually in advanced through coordinator.

- **BUS 4990 - Undergraduate Directed Study**

---

(1-3)

Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated for credit to maximum of 13 units as subject matter changes.

- **BUS 5021 - Accounting Information for Analysis and Control**

---

(3)

Prerequisite: BUS 5000. The course covers the use of financial and managerial accounting concepts applied for analysis, problem solving and decision-making in corporations. Topics include financial statement analysis, project and product analysis, internal control, accounting ethics, and corporate governance.

- **BUS 5023 - Marketing Strategy for a Global Environment**

---

(3)

Prerequisite: BUS 5000. Investigates marketing imperatives, principles, and philosophy in a dynamic global environment. Emphasizing the process of selectivity and concentration, customer value, differential advantage, and integration when developing marketing plans and strategy.

- **BUS 5025 - Supply Chain and Operations Management**

---

(3)

Pre-requisite: BUS 5000. Organized around the business process methodology, the course discusses the concepts and issues in supply chain and operations management; and emphasizes the development of analytical, modeling, and decision making skills.

- **BUS 5026 - Global Business Environment**

---

(3)

Prerequisite: BUS 5000. National, political, economic, socio-cultural, and ethical differences; international trade policies and institutions; foreign direct investment; regional economic integration; international monetary system; global competition and business operations; current trends and developments.

- **BUS 5027 - Business Information Systems**

---

(3)

Pre-requisite: BUS 5000. Analysis of integrated business processes: production, accounting, fulfillment and procurement in enterprise systems. Data analytics, decision making and business intelligence are also included.

- **BUS 5960 - Comprehensive Examination**

---

(0)

Pre-requisite: Advancement to Candidacy. Examination given to master degree candidates covering core aspects of the degree program. Graded CR/NC.

- **BUS 5970 - Graduate Research**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit to maximum of 6 units. Graded ABC/NC.

- **BUS 5990 - Thesis**

---

(3)

Completion of thesis under direct supervision of thesis committee. Prerequisites: Advancement to Candidacy and written approval of thesis committee chair. Graded CR/NC. May be repeated for credit.

### **Interdisciplinary Business (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000- level courses.*

- **BUS 5000 - Foundation of Business Administration**

---

(9)

The Foundations of Business Administration course is designed to prepare graduate students for advanced, specialized courses in business administration. The course focused on principles and foundational concepts in business, techniques and fundamental tools for business analysis and administration.

- **BUS 5001 - Cases in Business Administration Fundamentals**

---

(6)

Application of fundamental principles of business administration to case studies, addressing issues in Strategy, Accounting, Finance, Management, Marketing, and Quantitative Methods for Management.

- **BUS 5022 - Leadership and Organizational Behavior**

---

(3)

Pre req: BUS 5000 Application of theories of leadership and organizational behavior; development of negotiation skills.

- **BUS 5024 - Financial Management**

---

(3)

Prerequisite: BUS 5000 Foundations of Business Administration. Concepts of managerial finance, portfolio theory, multinational financial management and financial institutions. Topics include financial statement analysis, capital budgeting, mergers and acquisitions, portfolio analysis, asset pricing, management of financial intermediaries, and risk management.

- **BUS 5028 - Capstone: Global Business Strategy**

---

(3)

Prerequisites: BUS 5000, BUS 5021, BUS 5022, BUS 5023. Integrative view of positioning the firm for success in the global business environment. Introduces concepts, frameworks and techniques to make strategic decisions. Topics include environmental analysis, resources, capabilities, business strategy, vertical integration, diversification, implementation, and social responsibility.

- **BUS 5030 A,B,C - Business Leadership**

---

(3)

Prerequisite: BUS 5000 or BUS 5001. Seminar and workshop covering theories of leadership, hands-on practice of leadership skills, and interaction with business and governmental leaders from the Los Angeles community. Graded CR/NC.

- **BUS 5930 - Research Methods in Business Administration**

---

(3)

Overview of research methods applicable to business administration; research designs for qualitative and quantitative studies; reporting and presenting applied research to help managers make decisions.

- **BUS 5940 - Business Administration Project or Field Study**

---

(3)

Project in Business Administration through which graduate students integrate functional knowledge acquired in courses through the completion of a consulting project, applied research project, or field study.

- **BUS 5980 - Graduate Directed Studies**

---

(1)

Prerequisite: MA or Post-Baccalaureate standing, consent of a sponsoring instructor. May be repeated for a total of 6 units.

- **BUS 9000 - Graduate Studies**

---

(0)

Contact College of Business and Economics for course information.

**Introduction to Higher Education (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 4910 - STEM Education Foundation**

---

(3)

Comprehensive introduction to the history, evolution, systems, core concepts, design, and utilization of technology in STEM education. It's organizational and Connections between STEM subjects will be explored.

- **TECH 4920 - STEM Connection and Integration**

---

(3)

Interdisciplinary approach in designing, connecting assessing and the Integration of STEM curriculum and instructional materials. Emphasis will be placed on current STEM standards and project-based activities.

- **TECH 4930 - Curriculum Development in STEM Education**

---

(3)

Planning, designing, integrating, and assessing STEM curriculum and instructional materials. Strategies for integrating STEM throughout the existing school curriculum and aligning STEM/technology education activities to help students achieve academic standards.

- **TECH 4940 - STEM Project-Based Learning: Planning, Construction, Equipment, and Maintenance**

---

(3)

A course designed to teach how to plan integrated STEM curriculum and instructional materials. Students will learn how to map STEM content, design STEM integrated curriculum, and instructional materials.

## Japanese (Undergraduate)

*All Upper Division courses except 3070 are conducted in Japanese*

- **JAPN 1001 - Elementary Japanese I**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of elementary communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C2**

- **JAPN 1002 - Elementary Japanese II**

---

(4)

Prerequisite: JAPN 1001 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of elementary communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C2**

- **JAPN 2001 - Intermediate Japanese I**

---

(4)

Prerequisite: JAPN 1002 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C2**

- **JAPN 2002 - Intermediate Japanese II**

---

(4)

Prerequisite: JAPN 2001 or equivalent. See departmental "Limitation on Language Credit" policy in this catalog. Methodical development of intermediate communicative skills in Japanese; grammar review; vocabulary building; study of the customs, culture, and institutions of the Japanese people.

**GE C2**

- **JAPN 2500 - Japanese Culture through Anime and Manga**

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(3)

Study of Japanese culture through examination of comics, and animation. Taught in English.

**GE C2**

- **JAPN 2600 - Japanese Culture through Films**

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(3)

Thematic examination of Japanese culture and society through films. Taught in English.

## GE C2

- JAPN 3001 - Advanced Japanese I

---

(3)

Prerequisite: JAPN 2002. Co-requisite: ML 1010. Advanced study of Japanese with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- JAPN 3002 - Advanced Japanese II

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(3)

Prerequisite: JAPN 3001. Advanced study of Japanese with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- JAPN 3070 - Japanese Literature in Translation

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(3)

Study of major works of Japanese literature organized around different themes. Subject matter may change with each offering. No knowledge of Japanese required. May be repeated to a maximum of 8 units for credit as content

- JAPN 3100 - Japanese Civilization to 1945

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(3)

Origin and development of Japanese culture; religion, thought, literature, art, and patterns of life from the Neolithic age to 1945 A.D. Taught in English.

- JAPN 3110 - Japanese Civilization since 1945

---

(3)

Significant aspects of Japanese culture from 1945 A.D. to present; their evolution, characteristics, and synthesis in modern and contemporary periods. Taught in English.

- JAPN 3150 - Language in Japanese Society

---

(3)

Prerequisite: JAPN 2002. Study of how language functions in contemporary Japanese society. Politeness, gender, language attitudes, the mechanics of cross-cultural misunderstanding, how language incorporates Japanese social constructs.

- JAPN 3200 - Introduction to Japanese Linguistics

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(3)

Prerequisite: JAPN 2002. Overview of Japanese linguistics with comparisons to other languages. Includes Japanese phonetics, phonology, morphology, syntax, pragmatics, and typology.

- JAPN 3500 - Advanced Oral Communication

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(3)

Prerequisite: JAPN 2002. Improvement of communication ability in modern Japanese; intensive listening and speaking, and use of advanced vocabulary and expression.

- JAPN 3600 - Advanced Reading and Composition

---

(3)

Prerequisite: JAPN 2002. Improvement of reading ability in modern Japanese; expository writing and use of advanced vocabulary and composition. A writing intensive (WI) course.

**WI**

- JAPN 3800 - Business Japanese

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(3)

Prerequisite: JAPN 2002. Intensive study of Japanese used in business; theory and practice of fundamentals of commercial correspondence and negotiations in Japanese.

- JAPN 3950 - Japanese in Community Service

---

(1-3)

Prerequisites: JAPN 3002; approval by departmental faculty adviser in consultation with EPIC director, and acceptance by community agency. Participation in work of a community agency or campus program utilizing communication skills in Japanese. May be repeated to maximum of 6 units. Graded CR/NC.

- JAPN 4030 - Functional Approaches to Japanese Linguistics

---

(3)

Prerequisites: JAPN 2002. The analytical frameworks and research methods to examine the functions of linguistic structures and sociolinguistic aspects of Japanese.

- JAPN 4054 - Special Topics in Japanese

---

(3)

Prerequisite: As needed for specific topic. Current topics of special interest to students in Japanese as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- JAPN 4080 - Classical Japanese Literature

---

(3)

Selected works of Japanese prose and poetry from earliest times to 1868. Major literary trends and genres up to the Meiji Restoration. Taught in English.

- JAPN 4100 - Modern Japanese Literature

---

(3)

Selected works of Japanese prose and poetry from 1868 to the present. Literary trends since the Meiji period. Taught in English.

- JAPN 4154 - Special Topics in Japanese

---

(3)

Prerequisite: As needed for specific topic. Current topics of special interest to students in Japanese as announced in Schedule of Classes. May be repeated to maximum of 6 units.

- JAPN 4500 - Proseminar: Japanese Linguistics

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(3)

Prerequisites: JAPN 2002. In-depth study of selected topics in Japanese linguistics. May be repeated to a maximum of 6 units as subject matter changes.

- JAPN 4600 - Proseminar: Masters of Japanese Culture and Thought

---

(3)

Works of major figures in Japanese intellectual history. Taught in English. May be repeated to a maximum of 6 units as subject matter changes.

#### **Journalism (Undergraduate)**

- JOUR 2490 - Announcing

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(3)

On-air techniques for reading and reporting radio and television news.

- JOUR 2920 - Introduction to News Writing and Reporting

---

(3)

Prerequisite: Block A3. Introduction to news writing and reporting. News sources, collection of news, acceptable forms for news stories, news reporting styles and journalism ethics.

#### **CI-D JOUR 110:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- JOUR 3500 - Race, Class and Gender in American Journalism

---

(3)

Prerequisites: LD GE A3; JOUR 2920. An exploration of the role of race, class and gender in U.S. journalism and their impact on news content, analyzing historical and current media approaches and practices.

- **JOUR 3910 - University Times**

---

(3-6)

Prerequisite: JOUR 2920 for TVF majors. The development and practice of skills in the journalistic craft of reporting, writing and editing nonfiction. Lecture 3 hours, laboratory 2 hours. May be repeated up to 8 units.

- **JOUR 4740 - Television News Field Production**

---

(3)

Prerequisites: TVFM 2000, TVFM 2010. Practicum in production of stories that make up TV newscast. Emphasis on research, production and revision of video stories under deadlines, meeting exacting standards of broadcast TV news. Lecture 2 hours, Activity 2 hours.

- **JOUR 4920 - Radio and Television News Writing**

---

(3)

Prerequisites: TVF 1100 and JOUR 2920. Analysis and preparation of local news and commercials, introductions and special news features for radio and television.

- **JOUR 4970 - Journalism Capstone**

---

(3)

Prerequisite: 45 units of JOUR option satisfactorily completed, or instructor's approval. Culminating undergraduate academic project: student completes a journalistic project utilizing a wide range of skills learned in undergraduate career which demonstrate a high degree of professionalism and facility. Activity 2 hours.

### **Kinesiology (Undergraduate)**

*A student who has completed an intermediate or advanced course may not subsequently receive credit for a lower level course in the same activity.*

*Successful completion of UNIV 4000, the Writing Proficiency Examination, is prerequisite to enrollment in all upper division major courses in kinesiology.*

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 4980, 4990*

- **KIN 1011 - Aerobics - Beginning**

---

(1)

Introduction and exploration of the fundamental skills of aerobics and cardiovascular development. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

## KIN 1013 - Aqua Aerobics - Beginning

---

(1)

Introduction and exploration of the fundamental skills of water-based aerobics. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1016 - Archery - Beginning

---

(1)

Introduction and exploration of archery including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1019 - Badminton - Beginning

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(1)

Introduction and exploration of badminton including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1020 - Basketball - Beginning

---

(1)

Introduction and exploration of basketball skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1023 - Golf - Beginning

---

(1)

Introduction and exploration of golf including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1026 - Gymnastics and Tumbling - Beginning

---

(1)

Introduction and exploration of the fundamental skills of tumbling and basic skills on various gymnastics apparatus. Proper skill progression, conditioning, and safety are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1029 - Indoor Soccer - Beginning

---

(1)

Introduction and exploration of the fundamental skills of indoor soccer. Games and activities are designed to develop skill, knowledge of rules and background and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- KIN 1030 - Jazz Exercise - Beginning

---

(1)

Introduction and exploration of the fundamental skills of jazz exercise and cardiovascular development. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1033 - Jogging - Beginning**

---

(1)

Introduction and exploration of the fundamental skills of jogging within a context of individual fitness development. Skill progression, conditioning, and safety are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1036 - Judo - Beginning**

---

(1)

Introduction and exploration of the fundamental skills and strategies of Kodokan judo. Proper skill development in the areas of throwing, grappling, and self-defense are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1039 - Jujitsu - Beginning**

---

(1)

Introduction and exploration of the fundamental skills and strategies of jujitsu. Proper skill development in the areas of grappling, throwing, and self-defense are emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1040 - Karate - Beginning**

---

(1)

Introduction and exploration of the fundamental skills and strategies of karate. Proper skill development in the areas of blocking, punching, and kicking forms is emphasized. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1043 - Physical Conditioning - Beginning**

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(1)

Introduction and exploration of the fundamental skills of strength and cardiovascular conditioning. Skill progression, individual fitness development, and safety are emphasized. May be repeated to a maximum of 6 units (Activity 2 hours)

- **KIN 1046 - Self Defense for Women**

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(1)

Fitness and self-defense activities designed to develop skill and knowledge about street defense for women. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1048 - Soccer - Beginning**

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(1)

Introduction and exploration of soccer skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 6 units. (Activity 2 hours)

- **KIN 1050 - Summer Bridge**

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(1-2)

Varied experiences for introducing Summer Bridge students to activities presented in the physical education activity program. Health related fitness level assessed. Activity 2 hours per unit. Graded CR/NC.

- **KIN 1060 - Social Dance - Beginning**

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(1)

Introduction and exploration of social dance skills, cultural ties, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1063 - Softball - Beginning**

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(1)

Introduction and exploration of softball skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1066 - Swimming - Beginning**

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(1)

Introduction and exploration of the fundamental skills of swimming. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1069 - Tai Chi - Beginning**

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(1)

Development of a beginning understanding of Tai Chi Chuan that involves movement's forms, and positions that involve deep tranquil breathing creating a sense of centered wellbeing to help reduce stress, increase balance, and relax the body and mind. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1070 - Tennis - Beginning**

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(1)

Introduction and exploration of tennis including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1073 - Volleyball - Beginning**

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(1)

Exploration and introduction of volleyball including skills, strategies, rules, and analysis of techniques. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1076 - Weight Training - Beginning**

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(1)

Introduction and exploration of the fundamental skills of weight training. Skill progression, conditioning, individual fitness development, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1079 - Yoga - Beginning**

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(1)

Introduction and exploration of the practice of yoga including body positions, balance, and breathing. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 1100 - Intramural Sports**

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(1)

Participation in university intramural sports. Elective credit only; may be repeated to maximum of 16 units. Activity 2 hours minimum. Graded CR/NC.

- **KIN 1500 - Higher Wellness**

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(3)

Immersion into self, campus and community to optimize personal wellness and pathway graduation; IHE course satisfies the Life Long Learning requirement; requires off-campus service within youth physical activity programming.

**GE E (ihe)**

- **KIN 1540 - Special Activities in Physical Education**

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(1)

Varied experiences reflecting current interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Activity 2 hours.

- **KIN 1550 - Individual Therapeutic Exercise**

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(1)

Prerequisite: Assignment by the University physician or personal physician. Individual programs of exercise for students who have a need for special exercise. Suitable for students with physical limitations or recuperation from accident or illness. May be repeated for credit as many times as indicated by the University physician or personal physician.

- **KIN 2010 - Basketball - Intermediate**

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(1)

Exploration and development of intermediate basketball techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 2013 - Swimming - Intermediate**

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(1)

Exploration and development of intermediate swimming techniques. Skills, conditioning, individual fitness, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)



- **KIN 2016 - Tennis - Intermediate**

(1)

Exploration and development of intermediate tennis techniques. Skills, strategies, rules, and analysis of techniques are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 2019 - Yoga - Intermediate**

(1)

Further development of a deeper and expanded study of the practice of yoga. New positions of balance and pranayama (the art of yogic breathing) are introduced. May be repeated to a maximum of 8 units. (Activity 2 hours)



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
|--|--|--|--|---|---|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |





# University Catalog

## Catalog Search

Semester Catalog 2017-2018

Courses  S

## Course Descriptions



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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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### Kinesiology (Undergraduate)

*A student who has completed an intermediate or advanced course may not subsequently receive credit for a lower level course in the same activity.*

*Successful completion of UNIV 4000, the Writing Proficiency Examination, is prerequisite to enrollment in all upper division major courses in kinesiology.*

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 4980, 4990*

- **KIN 2040 - Diet and Exercise for Weight Management**

**(also listed as NTRS 204A)**

(1)  
 Evaluation of personal diet and exercise patterns. Development, implementation, and evaluation of an individualized diet and exercise plan for weight management. Brief examination of diet and exercise regimens for purposes of weight management; importance of combining a healthy diet and appropriate exercise in daily activities. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 2500 - Introduction to Kinesiology**

(2)  
 Introduction to the discipline of kinesiology; examination of the study of physical activity from the perspectives of experience, research, and professional practice. May be repeated to a maximum of 4 semester units.

**C-ID KIN 100:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by*

*the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **KIN 2540 - Selected Topics in Physical Education**

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(1-3)

Current activities, new and varied, of interest to general student body, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **KIN 2541 - Selected Topics in Physical Education**

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(1-3)

Current activities, new and varied, of interest to general student body, as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **KIN 2600 - Computer Applications in Kinesiology and Statistics**

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(3)

Application of personal computers in Kinesiology and physical education. Emphasis on delivery of discipline related content through available computing technology. Develop familiarity with current discipline specific software. Includes module on research techniques, data analysis, basic statistical theory, and statistical analysis using a personal computer. Lecture 2 hours, laboratory 3 hours.

- **KIN 3000 - Physiological Bases of Nutrition, Physical Fitness, and Health**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course provides information that is based on the scientific principles of nutrition, exercise, weight control, and health leading to the development of individualized exercise and nutritional strategies for achieving lifelong wellness.

**GE UD B**

- **KIN 3010 - Swimming - Advanced**

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(1)

Exploration and development of advanced swimming techniques. Skills, conditioning, individual fitness, and safety are emphasized. May be repeated to a maximum of 8 units. (Activity 2 hours)

- **KIN 3050 - Theory and Analysis of Aquatics**

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(2)

Prerequisite: Intermediate swimming skills. Must pass American Red Cross swim exam. Theory and analysis of performance techniques, historical knowledge, safety procedures, and conditioning. Enables students to become certified in Water Safety Instruction through the American Red Cross. Lecture 2 hours, demonstration-laboratory 2 hours.

- **KIN 3100 - Written Communication for Kinesiology**

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(3)

Prerequisites: Blocks A2 and A3. Written communication skills for the Kinesiology major with emphasis on techniques of writing formal reports, public relations information, and essays.

**(wi)**

- **KIN 3180 - Assessment of Student Learning in Physical Education**

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(4)

Prerequisite/Co-requisite: KIN 3190. Theoretical understanding of evaluating and investigating physical education teaching effectiveness; current educational evaluation trends; emphasis on current technologies of assessment for physical education instruction. Seminar 3 hours, Activity 1 hour.

- **KIN 3190 - Instructional Strategies in Physical Education**

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(3)

Effective teaching strategies in physical education; pedagogical behaviors necessary for effective K-12 physical education instruction.

- **KIN 3200 - Professional Invasion and Net Activities: Basketball, Volleyball, Team Handball, Flag Football, Soccer, Softball**

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(4)

Prerequisites: KIN3190. Professional introduction to basketball, volleyball, team handball, flag football, soccer, softball; teaching methods for K-12 physical education; developing and refining basic skills; rules, safety and equipment. Lecture 2 hours, activity 2 hours.

- **KIN 3210 - Professional Racquet and Target Activities: Badminton, Racquetball, Tennis, Archery, Golf, Track and Field**

---

(4)

Prerequisite: KIN 3190. Professional introduction to badminton, racquetball, tennis, archery, golf and track and field, teaching methods for k-12 physical education; developing and refining basic skills; rules, safety and equipment. Lecture 2 hours, activity 2 hours.

- **KIN 3220 - Professional Aesthetic, Cooperative and Adventure Activities: Combatives, Dance, Rhythmic Gymnastics, Outdoor, Aquatics, Contemporary Games**

---

(4)

Prerequisites: KIN 3190. Professional introduction to combatives, dance, rhythmic gymnastics, outdoor, aquatics, contemporary games; teaching methods for k-12 physical education; developing and refining basic skills; rules, safety and equipment. Lecture 2 hours, activity 2 hours.

- **KIN 3250 - Principles of Physical Fitness**

---

(3)

Prerequisites: MATH 1020, BIOL 2010, and BIOL 2020. Prerequisite or Corequisite: KIN 3100. Designing and conducting cardiovascular, resistance, and flexibility training programs for lifelong health and fitness.

- **KIN 3300 - Exercise Psychology**

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(3)

Prerequisite: PSY 1500 Psychological issues associated with exercise prescription. Strategies for increasing exercise adherence.

- **KIN 3350 - Anatomical Kinesiology**

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(3)

Prerequisites: BIOL 2010 and BIOL 2020 Structure and function of the musculoskeletal system in relation to human movement. Lecture 3 hrs, laboratory 3 hrs.

- **KIN 3400 - Applied Biomechanics**

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(4)

Prerequisites: MATH 1020; KIN2600 or BIOL 3000; PHYS 1560; BIOL 2010; BIOL 2020; Prerequisite or Corequisite: KIN 3100. Analysis of anatomical and mechanical bases for efficiency of human movement. Lecture 4 hours, laboratory 3 hours.

- **KIN 3450 - Physiological Effects of Exercise During Aging**

---

(3)

Pre-requisites: Completion of Blocks A and B4, and additional one course from Block B., and at least one course from Blocks C and D. Age-related physiological changes with mature adults, and the impact of physical activity on physical capacity. Some sections of this course will include service learning as an option.

**GE UD B**

- **KIN 3600 - Physiology of Exercise and Physical Activity**

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(4)

Prerequisites: MATH 1020; KIN 2600 or BIOL 3000; BIOL 2010; BIOL 2020 ; Prerequisite or Corequisite: KIN 3100. Analysis of physiological bases of effect of movement and stress on human organism; factors affecting conditioning. Lecture 3 hours, laboratory 3 hours.

- **KIN 3650 - Applied Motor Learning**

---

(3)

Prerequisites: MATH 1020, KIN 2600. Prereq/coreq: KIN 3100. Theory and research on how movements are controlled, learned, and changed as a result of practice and/or experience. Synthesis of theory with skill acquisition is emphasized. Lecture 2 hours, laboratory 3 hours.

- **KIN 3700 - Psychomotor Development**

---

(3)

Prerequisites: BIOL 2010, BIOL 2020, PSY 1500, SOC 2010. Prerequisite or Corequisite: KIN 3100. Analysis of the development of human motor skills from infancy to older adulthood.

- **KIN 3750 - Historical Analyses of Physical Activity**

---

(3)

Prerequisite: KIN 2500. Prerequisite or Corequisite: KIN 3100. Historical perspective of the development of physical activity programs; includes information about relevant philosophies in historical periods covered.

- **KIN 3820 - Sociocultural and Psychological Analyses of Human Movement**

---

(4)

Prerequisites: PSY 1500 and SOC 2010. Prerequisite or Corequisite: KIN 3100. Discussion of theories of motivation, arousal, aggression, and audience effects, as well as, the sociocultural role of sport and exercise in North American society.

- **KIN 4000 - Elementary School Physical Education**

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(4)

Prerequisites: KIN 3180, 3190, two of KIN 3200, 3210 or 3220; consent of instructor. Current elementary curricular and instructional practices, models of elementary physical education programs; design of effective elementary instruction; delivery of instruction to elementary students. Seminar 3 hours; Activity 1 hour.

- **KIN 4010 - Creating Developmentally-Appropriate Games/Activities**

---

(3)

Prerequisite: KIN 3180, KIN 3190. Knowledge of rules, space and equipment modifications to games/activities common to K-12 physical education to accommodate skill diversity and foster student learning. Creating original games/activities. Lecture 2 hours, Activity 1 hour.

- **KIN 4050 - Secondary School Physical Education**

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(4)

Prerequisites: KIN 3180, 3190, two of KIN 3200, 3210, or 3220; or consent of instructor. Current secondary school curricular and instructional practices, models of secondary school physical education programs; design of effective secondary instruction; delivery of instruction to secondary students. Lecture 3 hours. Activity 1 hour.

- **KIN 4100 - Neurophysiological Basis of Movement**

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(3)

Pre-requisites: BIOL 2010 and BIOL 2020. Examination of central and peripheral nervous system anatomy and physiology that underlie the production of human movement.

- **KIN 4200 - Development of Physical Activity**

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(2)

Movement experiences related to children's health and learning; health promotion and disease prevention through

exercise; fundamental movements; models of elementary physical education programs; teaching strategies; curriculum design and lesson planning. Lecture 1 hour, activity 2 hours.

- **KIN 4210 - Youth Development and Physical Activity**

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(3)

Knowledge and skills of physical activity programming to assist underserved youth in the community.

- **KIN 4220 - Community Service Learning and Physical Activity Programs**

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(3)

Prerequisite: KIN 4210. Classroom and field-based experiences for students interested in using physical activity programs to assist in community development. This course requires service learning.

- **KIN 4250 - Dimensions of Kinesiology for Individuals with Disabilities**

---

(3)

Prerequisite: KIN 2500; Prerequisite or Corequisite: KIN 3100. Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science for students completing the Physical Education Single Subject Teaching options and, Community Leadership option. Conditions requiring special physical education including: learning disabilities, retardation, neurological and orthopedic conditions. Lecture 3 hours, practical teaching in programs for exceptional students 2 hours.

- **KIN 4280 - Psychomotor Assessment for Individuals with and without Disabilities**

---

(3)

Prerequisite: KIN 4250. Theoretical understanding of evaluating and investigating physical education teaching effectiveness; current educational evaluation trends; emphasis on current technologies of assessment for physical education instruction for individuals with and without disabilities. Including study of prevalent disabilities, with implications for evaluation and diagnosis of motor problems utilizing assessment tools to develop specially designed instructional programs Practical experience with assessment required. Lecture 1 hour; laboratory 3 hours.

- **KIN 4300 - Clinical Techniques: Rehabilitation Modalities**

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(2)

Introduction to stretching and massage techniques for use in exercise therapies for individuals with physical impairments.

- **KIN 4310 - Low-incidence and Other Health Impaired Disabilities: Physical Activity Programming and Instruction**

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(3)

Prerequisite: KIN 4250. Co-requisite: KIN 4810. Etiology, movement characteristics, learning problems of individuals with low-incidence and other health impaired disabilities in physical activity, including severe/profound intellectual disabilities, visual and hearing impairments, multiple disabilities, autism traumatic brain injury and current health impairments.

- **KIN 4330 - High-Incidence Disabilities: Physical Activity Programming and Instruction**

---

(3)

Prerequisite: KIN 4250. Co-requisite: KIN 4810. Challenges of pupils with high-incidence and physical disabilities in physical activity context; implications for physical education program development, technology, and transition activities.

- **KIN 4360 - Principles of Mobility Training**

---

(4)

Prerequisite: BIOL 2010 and BIOL 2020. Theory and application of mobility training techniques (i.e. range of motion, flexibility, manual resistance exercises, posture, balance and gait training). Service learning is required. Lecture 3 hours; Laboratory 3 hours.

- **KIN 4365 - Neurorehabilitation**

---

(4)

Pre-requisites: BIOL 2010, BIOL 2020, KIN 4360. Theory and application of rehabilitative intervention aimed at improving functional recovery after disease or injury affecting the nervous system. Curriculum will review theoretical approaches drawn from current and classic research, strategies for implementing interventions, and application of measurements to determine effectiveness. Service learning is required. Lecture 3 hours; Laboratory 3 hours.

- **KIN 4365 - Neurorehabilitation**

---

(4)

Pre-requisites: BIOL 2010, BIOL 2020, KIN 4360.

Theory and application of rehabilitative intervention aimed at improving functional recovery after disease or injury affecting the nervous system. Curriculum will review theoretical approaches drawn from current and classic research, strategies for implementing interventions, and application of measurements to determine effectiveness. Service learning is required. Lecture 3 hours; Laboratory 3 hours.

- **KIN 4370 - Disease and Plasticity in Neuromuscular Systems**

---

(3)

Prerequisite: Upper division standing. Introduction to neuromuscular diseases and exercise-induced plasticity in neuromuscular systems.

- **KIN 4380 - Principles of Exercise for Older Adults**

---

(4)

Prerequisites: Upper division standing, and KIN 3250. Analyses, development, and implementation of exercise programs for older adults.

- **KIN 4390 - Rehabilitation Exercise Machines**

---

(3)

Prerequisite: KIN 3400. Practical understanding of the function, design and selection of exercise machines.



Understanding and addressing the special needs of users with a disability. May be repeated for a maximum of 9 units. Service learning is required.

- **KIN 4400 - Movement Analysis in Activity, Sport and Injury**

---

(4)

Prerequisite: KIN 3400. The application of biomechanical principles in the analysis of common movement patterns in activity and sport, with a focus on the prevention of injury. Lecture 2 hours; Laboratory 2 hours.

- **KIN 4420 - Practicum in Rehabilitation and Therapeutic Exercise**

---

(2)

Prerequisite: KIN 4360, KIN 4380 or KIN 4320. Application of therapeutic exercise to physically impaired and/or older adults. Laboratory 6 hours.

- **KIN 4500 - Exercise Interventions in Aging: Physiological Systems**

---

(3)

Pre-requisites: BIO 2010, BIOL 2020, and KIN 3600. Effects of exercise on decline in physical and mental functioning of older adults. Topics include changes in metabolic, cardiovascular, pulmonary, neuromuscular, skeletal, integumentary systems as a result of exercise.

- **KIN 4540 - Special Topics in Physical Education**

---

(1-3)

Prerequisite: Varies with topic. Current issues and interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Lecture and activity.

- **KIN 4541 - Special Topics in Physical Education**

---

(1-3)

Prerequisite: Varies with topic. Current issues and interests of students in physical education and related experimental areas, as announced in Schedule of Classes. May be repeated as subject matter changes. Lecture and activity.

- **KIN 4550 - Principles of Clinical Exercise Testing**

---

(3)

Prerequisite: KIN 4600. Diagnostic and prognostic aspects of clinical exercise testing, which provide information that could not be provided by testing patients at rest. Special consideration of exercise electrocardiography . Lecture 3 hours; Laboratory 3 hours.

- **KIN 4560 - Sport and Exercise Ergogenic Aids**

---

(3)

Prerequisite: KIN 3600. Consent of instructor. Examination of scholarly literature concerning principles of program development and analysis; consideration of internal and external influences on program design; comparative analyses of contemporary school-based program models. May be offered as an online or hybrid course.

- **KIN 4580 - Environmental Exercise Physiology**

---

(3)

Prerequisites: KIN 3600, KIN 4610. This course explores the responses and adaptations of the human organism to exercise in various environments and studies the interaction between the multiple physiological systems during acute and chronic exposure and exercise. Lecture 2 hours; lab 3 hours

- **KIN 4600 - Principles of Physical Fitness Assessment**

---

(4)

Prerequisite: KIN 3600. Physical fitness and performance assessment techniques employed within the laboratory environment: electrocardiography, electromyography, closed and open circuit indirect calorimetry, stress testing, hydrodensitometry, respirometry and cardiocirculatory. Lecture 4 hours; Laboratory 3 hours.

- **KIN 4610 - Advanced Exercise Physiology**

---

(3)

Prerequisite: KIN 3600. Advanced topics in exercise physiology, including exercise responses in the neuroendocrine, cardiopulmonary, immune, and skeletal systems. Topics will also include system-level integration during exercise, and exercise in stressful environments. Lecture 4 hours.

- **KIN 4650 - Principles of Exercise Prescription**

---

(4)

Prerequisite: KIN 4600. Development and implementation of exercise prescription for aerobic endurance, anaerobic endurance, strength, flexibility, and optimal body composition in apparently healthy, special, and general populations. Lecture 4 hours; Laboratory 3 hours.

- **KIN 4800 - Educational Field Experiences in Adapted Physical Education**

---

(1)

Prerequisite: Permission of instructor. Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science. Educational practices in teaching adapted physical education; processes and application of methods, materials, and individualized instructional units in meeting the needs of individuals with disabilities. Course may be repeated for a maximum of 2 units. Laboratory hours: 30.

- **KIN 4810 - Clinical Field Experiences in Adapted Physical Education**

---

(1)

Prerequisite: Submission of a Certificate of Clearance to School of Kinesiology and Nutritional Science. Corequisites: KIN 4310 and 4330. Clinical practice in teaching adapted physical education; processes and application of methods, materials, and individualized instructional units in meeting the needs of individuals with disabilities. Course may be repeated for a maximum of 3 units. Laboratory hours: 30-90.

- **KIN 4850 - Field Experience in Exercise and Human Performance**

---

(3)

Prerequisite: Upper division standing. Directed practicum in a career-related role in a community setting. Regular conferences with supervisor. Total of 200 hours. Graded CR/NC.

- **KIN 4960 - Capstone Seminar in Exercise and Human Performance**

---

(3)

Prerequisites: KIN 4650 Integration of concepts of other courses in both the exercise and human performance option and the core; provision of a forum for sharing experiences obtained in the practicum and field experience; preparation for certifications in exercise science provided by various professional organizations.

- **KIN 4970 - Projects**

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(1-3)

Projects

- **KIN 4980 - Cooperative Education - Advanced**

**(see UNIV 4980)**

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(1-3)

Cooperative Education - Advanced

- **KIN 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated for credit.

- **KIN 5440 - Advanced Instructional and Assessment Strategies in Physical Education**

---

(3)

Survey of effective physical education instructional delivery and student learning assessment strategies/methods; knowledge of research results related to teaching and teacher effectiveness; current trends in effective teaching and assessment. May be offered as an online or hybrid course.

### **Kinesiology (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by School and approval of graduate adviser: KIN 4980, 4990*

Classified graduate standing is required for admission to 5000-level courses.

- **KIN 4340 - Organizational Strategies for Adapted Physical Education**

---

(3)

Techniques for program, curriculum development in adapted physical education; effect of current legislation on roles and responsibilities of adapted physical educators; design and development of curricular materials for urban and rural environments.

- **KIN 5030 - Applied Statistics in Kinesiology**

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(3)

Prerequisite: Undergraduate introductory course in statistics. Analysis of variables related to kinesiology, application of statistical procedures in basic research design.

- **KIN 5040 - Research Design in Kinesiology**

---

(3)

Prerequisites: KIN 5030 or consent of instructor; undergraduate major in Kinesiology or related discipline. Must be completed within first 9 units of the student's approved program. Analysis, evaluation, and interpretation of research studies and investigations in kinesiology.

- **KIN 5070 - Cultural Analyses of Sport in the United States**

---

(3)

Prerequisite: Consent of instructor. Examination of research focused on cultural analyses of sport as a sociocultural system with an emphasis on diverse populations. Focuses on theoretical and conceptual issues in the sociology of sport.

- **KIN 5200 - Graduate Seminar in Kinesiology**

---

(1)

Analysis of current movement-based research literature including neural, muscular, and cardiovascular respiratory aspects, rehabilitation and exercise. May be repeated up to a maximum of 3 units.

- **KIN 5360 - Seminar: Issues in Adapted Physical Education**

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(3)

Individual survey and analysis of current issues in administration, supervision, instruction, curriculum, and assessment in adapted physical education.

- **KIN 5460 - Analysis of Physical Education Programming**

---

(3)

Prerequisite: Consent of instructor. Examination of scholarly literature concerning principles of program development and analysis; consideration of internal and external influences on program design; comparative analyses of contemporary school-based program models.

- **KIN 5480 - Physical Activity Program Leadership**

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(3)

Prerequisite: Consent of instructor. Analysis of research concerning skills to lead, manage, and assess physical activity programs: advocacy; staff management, development and supervision; public relations and marketing; fundraising; assessing program needs. Service learning required. May be offered as an online or hybrid course.

- **KIN 5500 - Introduction to Sports Agency - Becoming a Sports Agent**

---

(3)

Fundamental sports agency concepts and principles, such as industry history and regulations, athlete recruitment, and sports contract negotiation.

- **KIN 5501 - Sports Agency Practice**

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(3)

Managing athletes at different career stages, including handling decisions with profound financial, public image, and career implications.

- **KIN 5502 - Analytics and Sports Program Leadership**

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(3)

Aspects of analytics-based leadership/governance in sport program management such as planning, organizing, and evaluating programs and legal/ethical decision-making.

- **KIN 5503 - Analytics and Sports Program Marketing**

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(3)

Aspects of analytics-based sports program marketing, such as advertising, promotions, and sponsorship.

- **KIN 5504 - Analytics and Sports Program Operations**

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(3)

Applying run-of-show principles to analytics-based aspects of event operations and communication, such as ticketing, concessions, crowd management, press releases and media guides.

- **KIN 5505 - Sport and Athlete Management Internship**

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(3)

Practicum emphasizing a sector aligned to career aspirations, eg, college sports, sports marketing, sports project management, sports finance, athlete services, sports data management. May be repeated to a maximum of 6 units.

- **KIN 5550 - Community Development and Physical Activity Programming**

---

(3)

Prerequisite: Consent of instructor. Examination and analysis of research on community development utilizing an asset-based model; application of knowledge to promote physical activity programs that support building and strengthening communities.

- **KIN 5600 - Cardiorespiratory Aspects of Human Performance**

---

(3)

Prerequisite: Consent of instructor. In-depth analysis of research concerning the functions cardiovascular and

pulmonary systems during rest, physical performance and recovery and their adaptation to exercise training. (Seminar 2 hours; lab 3 hours)

- **KIN 5610 - Neuromuscular Aspects of Human Performance**

---

(3)

Prerequisite: Consent of instructor. Analysis of research concerning neuromuscular factors involved in human movement. Special emphasis upon the nervous and muscular systems related to the expression and enhancement of muscular strength, endurance and power. Lecture 3 hours, laboratory 3 hours.

- **KIN 5615 - Pulmonary Aspects of Human Performance**

---

(3)

Prerequisites: Consent of Instructor. Functional responses and adaptations of pulmonary system to exercise and their interaction with various environmental conditions. (Seminar 2 hours; lab 3 hours)

- **KIN 5620 - Exercise Interventions in Cardiac Rehabilitation**

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(3)

Prerequisite: Consent of instructor. Analysis of research concerning development and administration of cardiac rehabilitation programs with a special emphasis on exercise testing, prescription, and training of cardiac patients in outpatient phases.

- **KIN 5630 - Exercise Interventions in Neuromuscular Rehabilitation**

---

(3)

Prerequisite: Consent of instructor. Examination and analysis of state-of-the-art rehabilitation practices, research knowledge, and theories for regaining movement after neuromuscular injuries.

- **KIN 5640 - Exercise Interventions for Special Populations**

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(3)

Prerequisite: Consent of instructor. Examination of research concerning physiological responses and adaptations to exercise of special populations. Includes exercise testing and prescription. Emphasis on exercise limitations and responses which differ from normal populations.

- **KIN 5650 - Endocrine Aspects of Human Performance**

---

(3)

Prerequisites: BIOL 2010, BIOL 2020 and consent of instructor. In-depth analysis of the normal and abnormal functions of the endocrine system during rest, physical performance, and recovery, and the system's adaptation to exercise training.

- **KIN 5800 - Exercise Psychology**

---

(3)

Prerequisite: Consent of instructor. Psychological issues associated with exercise and physical activity. Analysis and

critique of research and theory relevant to exercise adherence, motivation, self-efficacy, and attributional style. Practical applications of theoretical concepts.

- **KIN 5960 - Graduate Studies**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **KIN 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **KIN 5980 - Graduate Directed Study in Kinesiology**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics; regular conferences with sponsor. Maybe repeated to a maximum of 12 units.

- **KIN 5990 - Thesis or Project**

---

(1-4)

Prerequisites: Advancement to candidacy, consent of student's graduate adviser to act as sponsor. Independent research resulting in a thesis, or independent project that applies theoretical knowledge to professional problem solving. Must be repeated to a maximum of 6 units. Graded CR/NC.

- **KIN 9000 - Graduate Studies**

---

(0)

Prerequisite: KIN 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Korean (Undergraduate)**

- **KOR 1001 - Elementary Korean I**

---

(4)

Prerequisites: Placement test option. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Korean. Introduction to the customs, culture, and institutions of the Korean people.

**GE C2**

- **KOR 1002 - Elementary Korean II**

---

(4)

Prerequisites: See departmental "Limitation on Language Credit" policy in this catalog. Placement test option. Must be taken in sequence. Methodical presentation of the fundamental structure of the language through hearing, speaking, reading, and writing Korean. Introduction to the customs, culture, and institutions of the Korean people. Lecture 4 hours.

**GE C2**

- **KOR 2001 - Intermediate Korean I**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Placement test option. Must be taken in sequence. Methodical development of intermediate communicative skills in Korean; grammar review; vocabulary building; study of the customs, culture, and institutions of the Korean people.

**GE C2**

- **KOR 2002 - Intermediate Korean II**

---

(4)

Prerequisite: See departmental "Limitation on Language Credit" policy in this catalog. Placement test option. Must be taken in sequence. Methodical development of intermediate communicative skills in Korean; grammar review; vocabulary building; study of the customs, culture, and institutions of the Korean people.

**GE C2**

- **KOR 3001 - Advanced Korean 1**

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(3)

Prerequisite: ML 1010, KOR 2002. Advanced study of Korean with emphasis on reading and writing. Continuation of aural-oral practice as an integral part of the course.

- **KOR 3002 - Advanced Korean 2**

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(3)

Prerequisite: KOR 3001. Advanced study of Korean with emphasis on reading and writing. Expository writing and use of advanced vocabulary and composition. A writing intensive course.

**WI**

- **KOR 3100 - Traditional Korean Civilization**

---

(3)

Prerequisite: Intermediate level of Korean Proficiency. Historical overview of traditional Korean civilization from its origin to the late 19th century. Emphasis on understanding distinctive Korean intellectual history, culture, religion, and society.

- **KOR 3110 - Modern Korean Civilization**

---

(3)

Prerequisite: Intermediate level of Korean Proficiency. Historical overview of modern Korean civilization from the late 19th century. Emphasis on understanding distinctive Korean intellectual history, culture, religion, and society.



- **KOR 3200 - Introduction to Korean Linguistics**

(3)  
Pending

- **KOR 3950 - Korean in Community Service**

(1-4)  
Prerequisite: KOR 3002. Approval of departmental faculty advisor in consultation with EPIC director, acceptance by community agency. Participation in work of a community agency or program utilizing communication skills in Korean. May be repeated to maximum of 6 units. Graded CR/NC.

- **KOR 3970 - Field Work in Korean**

(1-4)  
Prerequisite: KOR 3002. To be established by coordinator in consultation with host organizations. Field work and internships in occupations in which communication skills in Korean can be used and perfected. May be repeated to maximum of 6 units. Graded CR/NC.



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### Korean (Undergraduate)

- **KOR 4001 - Advanced Reading and Composition in Korean: Current Issues in Politics and Education**

---

(3)

Prerequisite: Intermediate-level proficiency in Korean. Focuses attention on productive skills (speaking and writing) in modern Korean; expository writing and presentation/debate are emphasized; covers current societal issues, including politics, Korean War, and education.
  - **KOR 4002 - Advanced Reading and Composition in Korean: Current Issues in Technology and U.S.-Korea Relations**

---

(3)

Prerequisite: KOR 4001. Focuses on productive skills (Speaking and writing) in Modern Korean; Expository writing in presentation/debate are emphasized; Covers current societal issues, including geography, technology in American-Korean relations.
  - **KOR 4080 - Classical Korean Literature**

---

(3)

Prerequisite: Intermediate-level proficiency in Korean. Explores classical Korean literature from the beginning until Chosun (the 19th century). Covers diverse genres: poems, essays, novels, dramas, and letters. Discussion is focused on the distinctiveness of Korean literature.

- **KOR 4100 - Modern Korean Literature**

---

(3)

Prerequisites: Intermediate-level proficiency in Korean. Explores modern Korean literature from the colonial period to the present. Covers diverse genres: poetry, novels, dramas, and essays. Discussion is focused on the universality and the distinctiveness of Korean literature.

#### **Latin (Undergraduate)**

- **LAS 4080 - The Central American Experience in the US**

**(also listed as CLS 4080)**

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(3)

Aspects of the Central American experience in the U.S. with emphasis on the transnational connections between the countries of origin and the communities of residence in the U.S.

- **LAS 4150 - Mass Incarceration**

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(3)

Examination of mass incarceration in the U.S. and transnationally, its history, experiences of the incarcerated, and impacts on society, including immigrant detention and alternatives to incarceration.

#### **Latin American Studies (Undergraduate)**

*All 4000-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: LAS 4970, LAS 4971.*

- **LAS 1020 - The African Diaspora in the Americas**

**(also listed as PAS 1020)**

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(3)

This course examines the diversity among the varied people of African descent in the Americas and their relationship to the dominant society.

**GE D (re)**

- **LAS 1400 - Introduction to Globalization, Race, and Place**

**(also listed as AAAS 1400 and PAS 1400)**

---

(3)

Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race and its intersectionality with socioeconomic class and gender.

**GE D (re)**

- **LAS 1500 - Introduction to Latin American Studies**

---

(3)

A multidisciplinary introduction to the history, cultures, social structure, and politics of Latin America with emphasis on the formation of its diverse societies.

**GE D (d)**

- LAS 2550 - Diverse Latin American Populations in Southern California

---

(3)

The formation of and differences among the diverse Latin American communities in the Southern California region and their participation in society.

**GE D (d)**

- LAS 3000 - Immigrant Experiences and Social Justice in the Americas

**(also listed as ANTH 3000)**

---

(3)

Prerequisites: completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploration of the diversity of immigrant experiences in the Americas and the social and cultural forces shaping them, community based inquiry and public sphere pedagogy with immigrant communities.

**GE Block D, Diversity (d), Civic Learning (cl)**

- LAS 3020 - Black and Latino and Latin American Relations

**(also listed as PAS 3020)**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course explores the historic and contemporary relationships between Black and Latino and Latin American people throughout the Americas in-class work, civic learning, and community engagement.

**GE UD D (re) (cl)**

- LAS 3350 - Race and Culture in the Americas, Race Culture Americas

**(also listed as PAS 3350)**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Comparative study of race and ethnicity as expressed in the arts and culture of Latin America, the Caribbean, and the United States.

**GE UD C (re)**

- LAS 3420 - Cultural Impact of Development

**(also listed as PAS 3420)**

---

(3)

Prerequisites: Completion of Basic Subjects Block A and one course each from Blocks B, C, and D. Impact of colonialism, neocolonialism and globalization on art, literature, music and identity in developing nations, especially in Africa and Latin America.

**UD GE C; (re)**

- **LAS 3500 - Movements for Social Justice in the Americas, Soc Justice Americas**

---

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of revolutionary and social justice movements in Latin America and among Latino communities in the U.S.; application of insights from these movements to social problems today.

**GE D (re) (cl)**

- **LAS 3600 - Dynamics of Change in the Developing World**

---

**(also listed as PAS 3600 and POLS 3600)**

(3)

Prerequisites: Satisfactory completion of Block A, Block B4, and one additional course from Blocks B, C, and D. How the colonized and post-colonial world developed and how it is changing in relation to the rest of the world.

**UD D (re)**

- **LAS 3700 - Introduction to Central America**

---

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. An introduction to the geographical, economic, political, social, and cultural complexities of Central American countries from European colonialism to the present.

**GE UD D (d) (wi)**

- **LAS 3800 - Latin American Cities: Between Development and Exclusion**

---

(3)

Prerequisites completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. An introduction to Latin American cities and urban studies, with a special focus on questions of urban growth, poverty, exclusion, and citizenship.

**GE UD D (d) (cl)**

- **LAS 3950 - Community Service in Latin American Studies**

---

(1-3)

Prerequisites: Approval by departmental faculty adviser, acceptance by a community agency. Participation as a volunteer in work of a community agency or activity utilizing professional and/or vocational skills in service to community. Graded CR/NC. May be repeated to maximum of 9 units.

- **LAS 4040 - Central Americans in Diaspora**

---

(3)

Aspects of the transnational experience of Central Americans with emphasis on the connections between the countries of origin and the communities of residence abroad.

- **LAS 4250 - Latin American Responses to Imperialism and Globalization**

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(3)

The impact upon Latin America of U.S. world hegemony and the process of globalization and Latin American response to these forces. Major international issues confronting Latin America.

- **LAS 4280 - Migration, Identity, and Religion**

**(also listed as RELS 4280, CHS 4280)**

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(3)

Examines the role of Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

- **LAS 4300 - Cuba and the World**

---

(3)

An overview of Cuban society, politics and popular culture as well as its situation in the world.

- **LAS 4350 - Philosophy and Praxis of Liberation in Latin America**

---

(3)

Prerequisites: LAS 150 or instructor permission. Development and application of philosophies of liberation in Latin America and among Latin American populations in diaspora.

- **LAS 4400 - Indigenous Movements in Latin America**

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(3)

The internal dynamics of indigenous movements, their ideas, cultures, development, sovereignty, and relationship to international organizations. Special attention is given to indigenous identity.

- **LAS 4500 - Special Studies in Latin American Studies**

---

(3)

Prerequisites: Upper division standing, others as needed for specific topic. Selected topics in Latin American Studies differ each quarter; examined in manner of undergraduate seminar; individual readings, written/oral reports, discussion. Repeatable to maximum of 9 units as subject matter changes.

- **LAS 4600 - Food Justice in Latin America**

---

(3)

Food production, commercialization, and consumption in Latin America, and the relationship between food, science, development, justice, and globalization.

- **LAS 4650 - Gender, Sexuality, and Transnational Migration**

**(also listed as CHS 4650 and WOMN 4650)**

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(3)

Explores international migration through the lens of gender and sexuality. Interdisciplinary examination of perspectives on socio-economic and legal issues affecting the lives, identities, and narratives of transnational (im)migrants.

- **LAS 4700 - Labor and Social Movements in the Americas**

---

(3)

A theoretical and historical overview of labor and social movements in the Americas with an emphasis on 1945 to the present. Four hours of lecture/discussion; service learning option.

- **LAS 4800 - Afro-Latin America**

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**(Also listed as PAS 4800)**

(3)

The histories and diversity of experiences and identities of people of African descent in Latin America, migration of Afro-Latin Americans to the U.S.

- **LAS 4820 - Latin American Women's Movements**

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**(also listed as WGSS 4820)**

(3)

Examines Latin American women's movements and feminist organizing in the U.S., Mexico, Central America, South America and the Caribbean.

- **LAS 4850 - Anti-colonial Movements**

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**(Also listed as AAAS 4850, PAS 4850)**

(3)

Prerequisite: LAS 1500 or permission of instructor. The course considers organized resistance to European imperial and colonial empires among colonized populations. Special attention is given to Asian, African, and Latin American regions.

- **LAS 4970 - Interdisciplinary Approaches to Latin American Studies**

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(3)

Prerequisites: LAS 1500, Satisfactory completion of the Graduate Writing Assessment Requirement (GWAR). Reading ability in Spanish or Portuguese. Changing perspectives and varied methodological approaches to Latin America over the past five decades; selection of research topic; bibliography preparation.

- **LAS 4971 - Interdisciplinary Research and Writing in Latin American Studies**

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(3)

Prerequisites: LAS 4970, and senior standing. Interdisciplinary methods of research design, academic writing and publishing, applied research design and writing.

**GE (wi)**

- **LAS 4990 - Undergraduate Directed Study**

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(1-3)

Prerequisite: LAS 1500, Instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and final report submitted. May be repeated for credit.

**Latin American Studies (Graduate)**

*All 4000-level courses listed in the undergraduate major, general option, may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: LAS 4970, LAS 4970.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- **LAS 5080 - Seminar: Latin American Social Systems**

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(3)

Prerequisite: Graduate Standing. Analysis of selected aspects of contemporary Latin American social systems. May be repeated for credit.

- **LAS 5900 - Interdisciplinary Seminar: Latin American Studies**

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(3)

Prerequisite: Graduate Standing. Interdisciplinary investigation and discussion of selected Latin American topics. May be repeated up to 9 units.

- **LAS 5960 - Comprehensive Examination**

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(0)

Prerequisites: LAS 4970, LAS 4971, advancement to candidacy. See *Comprehensive Examination* in the requirements for the Masters Degree section.

- **LAS 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: Graduate Standing. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **LAS 5990 - Thesis**

---

(1-6)

Prerequisites: LAS 4970, LAS 4971, advancement to candidacy, Instructor consent to act as sponsor. Independent research resulting in a thesis. May be repeated to maximum of 9 units. Graded CR/NC.

**Liberal Studies (Undergraduate)**



All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser

- **LBS 1665 - Introduction to Science Fiction**

**Also listed as ENGL 1665: Introduction to Science Fiction**

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(3)

Historical survey of key themes, texts, figures, and movements in English-language science fiction.

**GE C2 (wi)**

- **LBS 2340 - Multicultural Arts - L. A.**

(3)

Cultural, historical, social context for community/ municipal arts in L.A. (performance, visual, musical). Emphasis on race, ethnicity, class, gender, sexuality, youth, and intersectionality among these categories. Attend performances/ museums; discussion with artists/ experts. Some course sections may offer a service learning option.

**GE C1 (re)**

- **LBS 2400 - Introduction to Environmental Humanities**

(3)

Interdisciplinary survey of texts that shaped modern understandings of environmental issues such as sustainability, climate change, and environmental justice.

**GE C2; (d); (wi)**

- **LBS 2500 - Social Change and Social Movements in the U.S.**

(3)

Prerequisite: GE Block A Survey of social change and social movements in the United States from 1850 to the present. Study of the influence of diverse social groups on political, economic, and cultural change in American institutions and life.

**GE C2 (d)**

- **LBS 2665 - Multicultural Science Fiction**

**Also listed as ENGL 2665: Multicultural Science Fiction**

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(3)

Pre-requisite: GE A2. Science fiction literary traditions such as Afrofuturism, Latina/o futurism, Indigenous futurism, Asian and Asian American SF, and Euro-American SF.

**GE C2 (re)**

- **LBS 2666 - Science Fiction Film and Television**

**Also listed as TVF 2666: Science Fiction Film and Television**

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(3)

Survey of science fiction film and television from 1900 to the present with an emphasis on major themes and characteristics of the genre.

**GE C1 (d)**

- **LBS 3010 - Interdisciplinary Investigation**

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(3)

Prerequisite: GE A3; Concurrent enrollment in LBS 3020.

Principles and techniques of interdisciplinary problem solving, nature and limitations of knowledge, evaluation of evidence, strategy and methods of integrating materials drawn from different disciplines. Requires concurrent enrollment in LBS 3020 for Liberal Studies majors.

- **LBS 3020 - Writing the Interdisciplinary Essay**

---

(3)

Prerequisites: A3, concurrent enrollment in LBS 3010. Principles and techniques of interdisciplinary research, critical analysis, and writing; overview of the Liberal Studies major, the university, and post-graduate careers.

**wi**

- **LBS 3060 - Interdisciplinary Approaches to Culture and Society**

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(3)

Prerequisite: LBS 3010 and LBS 3020. Examination of interdisciplinary modes of cultural and social inquiry. Introduces concepts, theories, and methods of cultural analysis. Application to historical or contemporary issues and problems of diversity and everyday life.

- **LBS 3200 - Disability Studies**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Histories of disability struggles and representation, as well as disability justice critiques of “ableism” and its intersections with race, class, gender, and sexuality.

**GE UD D (d)**

- **LBS 3600 - Interdisciplinary Approaches to Culture and Society**

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(3)

Prerequisite: LBS 3010 and 3020.

- **LBS 3665 - Gender and Sexuality in Science Fiction**

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**(Also listed as WGSS 3665)**

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Exploration of how concepts of gender and sexuality have been represented in science fiction.

**GE UD C; (d); (wi)**

- **LBS 3840 - Globalization, Culture and Communication**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critical examination of globalization and its multiple sociocultural dynamics and communication challenges for global citizens. Emphasis on globalizing institutions, transborder flows, international communication, social change, and cultural identities.

**UD GE D (d)**

- **LBS 3860 - Gender in Science**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Interdisciplinary exploration of scientific conceptions of gender and the effects of gender ideology on the history of science from the Scientific Revolution to the present.

**GE UD B**

- **LBS 3900 - Race, Class, and Gender in the Classroom**

---

(3)

Prerequisites: GE A3 or permission from instructor. Critical examination of the effects of race, ethnicity, socioeconomic class, and gender as they are experienced in educational settings. Emphasis on the cultural reproduction of values in the learning process.

- **LBS 3980 - Cooperative Education**

---

(1-3)

Prerequisite: Instructor consent and approval of Chair. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 3980 and 3990 may not exceed 12. Graded CR/NC

- **LBS 4000 - Community Impact Media**

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**Also listed as TVF 4000 and CHS 4000**

(3)

Community engagement course in which CSULA students provide neighboring community youth from high schools and community arts centers with hands-on media making/storytelling mentorship toward the production of video projects written and directed by the youth filmmakers.

- **LBS 4100 - National Identity, Race, and Popular Culture**

---

(3)

Prerequisite: GE A3. Interdisciplinary focus on the formation of national identities; examines relationship between race, national identity and popular culture through fiction, film, music, consumerism, and cultural institutions such as written

media, schools, and museums.

- **LBS 4200 - Cultures of Science**

**(also listed as NATS 4200)**

---

(3)

Prerequisite: Upper Division standing. Interdisciplinary study of scientific cultures, epistemologies, and ideologies; examination of how science is represented in texts from literature, film, and TV.

- **LBS 4340 - Public Culture**

(3)

Interdisciplinary approaches to the concept of public culture, with emphasis on debates about how public art and “writing” (graffiti art) are integrated into what is considered “public.”

- **LBS 4540 - Selected Topics in Liberal Studies**

(1-3)

Prerequisites: Upper division standing. Intensive study of selected topic from interdisciplinary perspective; subjects vary. May be repeated to a maximum of 8 units for credit.

- **LBS 4600 - Cultural Studies: Theories and Methods**

(3)

Prerequisite: LBS 3600. Theories and methods of Cultural Studies as an interdisciplinary mode of social inquiry. Overview of historical, theoretical, and methodological underpinnings. Exploration of cultural identity, struggle, and representation.

- **LBS 4610 - Public Humanities and Community Learning**

(3)

Engaged arts/humanities: civic and/or service learning projects. Models for, and practical application of, cultural and social theory in collaboration with community-based arts/humanities artists and organizations.

- **LBS 4665 - Science Fiction Across Media**

**Also listed as TVF 4665**

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(3)

Examination of the origins and development of the science fiction genre across media such as print, film, radio, comics, television, and video games.

- **LBS 4890 - Senior Project**

(3)

Prerequisites: LBS 3010, LBS 3020, LBS 3600; senior standing; concurrent enrollment in LBS 4900 Advanced principles and techniques of interdisciplinary research, including research design and methodology; supervised senior project.

**(WI)**

- **LBS 4900 - Proseminar in Liberal Studies**

---

(3)

Prerequisites: LBS 3600; concurrent enrollment in LBS 4890. Advanced interdisciplinary study of structure and practice of knowledge at key institutional sites such as the family, school, media, and arts; and government. Requires concurrent enrollment in LBS 4890.

- **LBS 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor, approval of coordinator, minimum 2.5 grade point average. Projects must be approved before registration, progress meetings held regularly, and final report submitted. May be repeated for credit.

**Library Course (Undergraduate)**

- **LIBR 1010 - Introduction to Higher Education**

---

(3)

Examines thinking strategies and information based problem solving in academic and professional settings. Introduces critical thinking, civic learning, information literacy, university resources, and academic planning for student success. Graded ABC/NC.

**GE E IHE**

- **LIBR 1500 - Introduction to Information Literacy and Research Skills**

---

(1)

Develops effective and efficient skills for identifying, retrieving, and critically evaluating electronic, print, and Internet sources. Assists students in preparing information literate papers and presentations. Graded ABC/NC.

- **LIBR 2300 - Intermediate Information Literacy and Research Skills for Lifelong Professional Success**

---

(3)

Explores how information is produced and used in professional settings. Designed to teach students research and critical thinking skills required to access, evaluate, synthesize and understand information for professional success and development. Graded ABC/NC.

**GE E**

- **LIBR 2500 - Intermediate Information Literacy and Library Research Skills**

---

(3)

Examines how information and knowledge are produced and organized. Designed to give students the technological and critical thinking skills needed to find, evaluate, synthesize and manage information. Graded ABC/NC.

**GE E**

- LIBR 2600 - Geographic Information Literacy

**(Also listed as GEOG 2600)**

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(3)

Intermediate information literacy class that examines sources and types of information related to climate, geography, oceans and the environment. Primary emphasis placed upon reading, interpreting and analyzing maps and environmental data. Graded ABC/NC.

- LIBR 3300 - Advanced Information Literacy for Decision Making in the Professional World

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(3)

Advanced information literacy course that considers the role of information in a professional context. Using company, industry, legal and demographic information, research, analysis and decision-making in professional environments will be simulated and explored.

- LIBR 4300 - Legal Information Literacy

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(3)

Advanced information literacy course that considers the use and impact of different forms of legal information. Students will learn to analyze and evaluate legal information to determine meaning and relevancy.

**(wi)**

- LIBR 4400 - Information Law and Policy

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(3)

Examines the impact of law and policy upon the free flow of information. Explores information technology and infrastructure as well as the laws and regulations that shape each and their influence upon information acquisition and consumption.

**(wi)**

#### **Manufacturing Process and Automation (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- TECH 1600 - Introduction to Metalworking

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(3)

Basic metal properties, metalworking processes, casting, welding, and hand and machine tool applications.

- TECH 3600 - Lean Manufacturing

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(3)

History of manufacturing. Principles, design, and analysis of lean manufacturing systems. Small lot production, setup-time reduction, continuous improvement. Principles and control of push and pull manufacturing systems. Lecture 2 hour, laboratory 3 hours.

- **TECH 4160 - ISO 9000 and the Auditing**

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(3)

Prerequisites: Senior Standing or Permission of the Instructor. A study of ISO 9000 series of quality system standards with emphasis on manufacturing and service industry. It addresses the standards interpretation, documentation, and creation of internal and external audits. Lecture 2 hours, laboratory 3 hours.

- **TECH 4600 - Advanced Manufacturing Processes**

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(3)

Materials and processes used in manufacturing. Processes to organize industrial activity as well as the hard processes used to shape and form materials.

- **TECH 4620 - Digital Manufacturing**

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(3)

Development of basic skills needed to perform simulation construction in the virtual manufacturing environment with CNC, CAM, machining and robotics simulation.

- **TECH 4660 - Additive Manufacturing**

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(3)

Prerequisites: TECH 1100 or Equivalent. An overview of commercially available Additive Manufacturing technologies, also known as Rapid Prototyping or 3D Printing. Emphasis will be on operational procedure, post-processes, and applications. Lecture 2 hours, laboratory 3 hours.

- **TECH 4670 - Emerging Manufacturing Technologies**

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(3)

Prerequisites: Tech 3600. Variable content of manufacturing topics and processes, such as Additive Manufacturing, Electrical Discharge Machining, Computer-Aided Manufacturing, Automatic Data Collection and Identification, 3D Scanning, Waterjet Cutting, and other related technologies. Lecture 2 hours, laboratory 3 hours.

- **TECH 4951 - Industrial Technology Senior Project II**

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(3)

Prerequisites: TECH 4950. Study of Industrial Technology design processes. It includes selection and completion of a faculty-supervised project focusing on typical problems encountered in Industrial Technology practice, and resulting in a formal report and oral presentation. Lecture 1 ½ hours, laboratory 4 ½ hours.

### **Management (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000-level MGMT courses.*

## MGMT 3060 - Operations Management

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(3)

Management of operations function of manufacturing and service firms including operations strategy, forecasting, process design and improvement, production and inventory management, supply-chain management, capacity planning and management, and quality assurance.

- **MGMT 3070 - Management and Organizational Behavior**

---

(3)

Analysis of the management process with an emphasis on the management, the business environment and organizational behavior including organizational relationships, decision making, leadership and effective business processes.

- **MGMT 3080 - Business Responsibilities in Society**

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(3)

Pre-requisite: Completion of Block A. Discussion of the business person's responsibilities and obligations in global society; principles and problem-solving techniques related to major social problems confronting business organizations; business ethics and corporate social responsibility.

- **MGMT 3100 - Management and the Great Ideas**

---

(3)

Prerequisite: MGMT 3070 Exploration of thinking across the ages on subjects related to present-day management theory and practice including human nature, virtue, rights, power, duty, ethics, the natural world, and materialism.

- **MGMT 3101 - Essential Management Skills**

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(3)

Understanding competencies and skills related to managing workplaces, particularly for students studying in non-business or management disciplines. Skill development is emphasized in negotiation, conflict resolution, giving feedback and other skills.

- **MGMT 3980 - Cooperative Education**

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(1-3)

Prerequisite: Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 3980 and 3990 may not exceed 12. Graded CR/NC.

- **MGMT 4101 - Organization Theory and Design**

---

(3)

Prerequisite: MGMT 3070. Provides a multi-perspective approach in which organizations are studied as entities within an environment, as subjects of strategic action, as social structures, as cultures, and as technologies. Importance is also given to decision making, control, power and conflict and change within organizations.



- **MGMT 4102 - Comparative Management**

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(3)

Prerequisite: Senior or graduate standing. Identification and analysis of management systems in differing national, institutional, or other settings, using cases and country reports. Impact of economic, political, sociological, and cultural variables on management systems.

- **MGMT 4103 - Managerial Innovation**

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(3)

Prerequisite: MGMT 3070. Opportunities and challenges of managing innovation in organizations. Models of innovation, need, potential value and impact, ethical considerations, management practices in executing innovation strategy effectively.

- **MGMT 4105 - Managerial Leadership and Motivation**

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(3)

(3) Prerequisite: MGMT 3070. Nature, resources, strategies, and models of complex organizations; case analyses of process of managerial leadership, motivation, interpersonal relationships in work groups; impact on organizational effectiveness.

- **MGMT 4106 - Business in Its Social Setting**

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(3)

Prerequisite: MGMT 3080 or graduate standing. Analytical interdisciplinary investigation of evolution of contemporary status of business relative to dynamic forces: social, political, legal, environmental and economic.

- **MGMT 4107 - Organization Development and Change**

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(3)

Prerequisite: MGMT 3070. An in-depth understanding of organization development and change. Topics include managerial roles, diagnosis intervention design, change management, and evaluation. Emphasis is placed on implementing interventions in diverse contexts.

- **MGMT 4108 - High Performance Management**

---

(3)

Prerequisite: MGMT 3070. Focus on managerial skills, performance context conceptual understanding and self-assessment; in depth skill-learning, analysis, practice, and application including: creative and critical thinking, managing conflict, and building effective teams.

- **MGMT 4110 - Corporate Governance**

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(3)

Prerequisite: MGMT 3070 or MGMT 3100. Study of rules, structures and entities guiding the exercise of authority in corporations, including shareholders, directors, management, and other stakeholders. International comparisons and reform proposals are explored.

• **MGMT 4154 - Special Topics in Management**

(3)

Prerequisite: Varies with topic; see Schedule of Classes for specific requirement. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

• **MGMT 4200 - New Venture Management**

(3)

Understanding basic business models and requirements for developing and launching new business ventures. Emphasis is placed on understanding business fundamentals, opportunity identification, resource planning and new venture development.

• **MGMT 4201 - Global Entrepreneurship and Innovation**

(3)

Examine entrepreneurship from global perspectives focusing on developing and managing innovation worldwide. Intensive case study of entrepreneurs and new ventures with a global focus on management, innovation, and supply chains.



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# University Catalog

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### Management (Undergraduate)

*Upper division standing is prerequisite to enrollment in 3000- and 4000-level MGMT courses.*

- **MGMT 4202 - Launching New Ventures**

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    - (3)
    - An intensive skills-based approach to developing a business plan, pitching ideas, reaching investors and markets to launch a new venture. Practical learning for students close to a new venture launch.
  
- **MGMT 4203 - Special Topics and Cases in Entrepreneurship and Innovation**

---

    - (3)
    - Focus on current issues and cases relevant to entrepreneurship and new venture management including new venture leadership, history of entrepreneurship, dynamic business forces affecting new venture management and global perspectives.
  
- **MGMT 4204 - Social Entrepreneurship**

---

    - (3)
    - Students focus on developing and operating new ventures to create and sustain social value. Unique challenges in developing effective business models and operating a socially focused venture are emphasized.
  
- **MGMT 4300 - Leading and Managing in Healthcare Environments**

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(3)

Management functions and leadership processes in healthcare organizations, including in-depth review of managerial skills and organizational practices for successful performance.

- **MGMT 4315 - Comparative Healthcare Organizing**

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(3)

A comparative survey of the U.S. healthcare system, including analyses of its changing parts and organizing patterns. International comparisons are drawn through in-depth discussions, case studies, and management reviews.

- **MGMT 4330 - Healthcare Regulations and Ethics**

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(3)

Discussion around ethical and regulatory concepts, as applied in healthcare, and specific laws, regulations, and ethical standards for healthcare organizational settings and management.

- **MGMT 4335 - Financial Management of Health Care Institutions**

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(3)

Financial concepts and managerial decision-making in healthcare institutions with emphasis on techniques of budget development and project-based finances.

- **MGMT 4345 - Healthcare Operations Management**

---

(3)

Prerequisite: MGMT 3060. Review and discussion of concepts and cases in healthcare operations management, including strategic capacity planning, process improvement, quality assurance, and supply-chain management, among other considerations.

- **MGMT 4400 - Strategic Human Resource Management**

---

(3)

Prerequisite: MGMT 3070. Principles, methods, and procedures in developing and managing the human resource function, including planning, legal compliance, job analysis, recruitment, selection, training and development, compensation, and employment relations.

- **MGMT 4401 - Training and Development**

---

(3)

Prerequisite MGMT 4400. Principles, methods, and procedures for orienting, inducting, developing skill-building programs for training and educating/developing employees at all levels of business, governmental, and third sector organizations.

- **MGMT 4402 - Employment Relations**

---

(3)

Prerequisite: MGMT 4400. Principles, methods, and processes for creating and managing positive relationships with

unionized and non unionized employees through legal compliance, effective labor relations, and managing diversity.

- **MGMT 4403 - Compensation Management**

---

(3)

Prerequisite MGMT 4400. Course includes study and practice of analyzing, designing, evaluating, and managing compensation systems by learning wage/salary administration, interrelationship among employee performance, benefits, incentive programs, perceived equitable payments, and employee satisfaction.

- **MGMT 4404 - Current Topics and Cases in Human Resource Management**

---

(3)

Prerequisite: MGMT 4400. Application of human resource management principles through case analyses and current readings related to human resource planning, recruitment, selection, compensation, employment relations, and other human resource functions.

- **MGMT 4405 - Talent Management**

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(3)

Prerequisite: MGMT 4400. This course provides an overview of how to effectively develop a talent management strategy. Drawing from real-world company insights, the course will focus on exploring best practices and innovative approaches to talent development and fostering a talent-building culture across the organization. Students will learn how a company can improve its ability to attract, develop, evaluate, and retain the right talent. Lecture 4 units

- **MGMT 4406 - Staffing, Recruitment and Selection**

---

(3)

Prerequisite: MGMT 4400. Principles, methods and procedures for analyzing the staffing process, including human resource planning, job analysis, internal and external recruiting, selection methods, and final selection decisions.

- **MGMT 4407 - International Human Resource Management**

---

(3)

Prerequisite: MGMT 4400. Examination of human resource management activities in an international environment  
Emphasis on challenges and issues related to managing human resource activities in global businesses, and adapting to local cultures.

- **MGMT 4408 - Managing Human Resource Information Systems**

---

(3)

Prerequisite: MGMT 4400. Management principles related to understanding the human resource manager's role in planning, designing, and implementing human resource information systems to enhance human resource activities including staffing, selection, and training.

- **MGMT 4409 - Career Development**

---

(3)

Career management theories, strategies and skills including career exploration, appraisal, self-assessment, professional development, and skill building essentials in interviewing, networking, socialization, and mentoring for self and others.

- **MGMT 4500 - Case Studies in Operations Management**

---

(3)

Prerequisite: MGMT 3060. Case studies are used to illustrate product and process design, technology management, facilities design, location and layout, capacity and inventory management, and quality improvement in manufacturing and service firms.

- **MGMT 4501 - Process Design and Improvement**

---

(3)

Prerequisite: MGMT 3060 or equivalent. Design, analysis, and improvement of manufacturing and service processes using such tools as computer simulation, waiting-line theory, statistical process control, and value-stream mapping.

- **MGMT 4502 - Production and Inventory Management**

---

(3)

Prerequisite: MGMT 3060. Design of information and decision systems for allocating resources and scheduling activities; development of conceptual structures guiding integrated production and inventory systems in manufacturing environments; introduction of computerized MRP systems.

- **MGMT 4503 - Total Quality Management**

---

(3)

Prerequisite: MGMT 3060. Control of quality of products and services by statistical methods; control charts for variables, fraction defective, defects per unit; Acceptance sampling; internationalization of quality and management strategies for quality.

- **MGMT 4504 - Supply Chain Management**

---

(3)

Prerequisite: MGMT 3060. Principles, methods, and practices for managing effective supply chain in global business, including strategies for customer service, quality, logistics, inventory management, and integrated supply chain management.

- **MGMT 4505 - Project Management**

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(3)

Project management theories for planning and controlling resources to accomplish complex projects; case analyses from business and nonprofit organizations; exercises with selected project management software.

- **MGMT 4506 - Service Management**

---

(3)

Prerequisites: MGMT 3060 and 3070. Design and management issues in high-contact services: process design,

capacity and quality management, and human relations; lectures and readings cover theoretical material, and case studies provide applications.

- **MGMT 4507 - Operations Research**

---

(3)

Pre-requisite: MGMT 3060. Describe, analyze, and solve large-scale decision problems, such as resources allocation, transportation network, design, and supply chain optimization, by using linear and non-linear programming methods.

- **MGMT 4980 - Cooperative Education**

---

(1-3)

Prerequisite: Completion of senior level courses appropriate to experience; Cooperative Education coordinator.

Participation in work experience integrated with academic program experience integrated with academic program; assignments arranged individually in advanced through coordinator.

- **MGMT 5105 - Seminar: Leadership**

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(3)

Seminar and workshop covering theories of leadership and hands-on practice of leadership skills. Topics include leading high performance work teams, influencing and persuading others, motivating oneself and others, and delegating.

### **Management (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Graduate Programs Office are required for admission to all 5000-level courses.*

- **MGMT 5100 - Management**

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(3)

Planning, organizing, leading and coordinating for achieving organizational goals. ; managing operations and organizational behavior; techniques for improving decisions, communications and quality; business responsibilities; ethics. Some sections may be technologically mediated.

- **MGMT 5101 - Management and Organizational Behavior**

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(3)

Functions of managers and theories of management and organizational behavior, including principles of business strategy; organization design; change; motivation; interpersonal skills; and ethical and international perspectives.

- **MGMT 5102 - Sustainability, CSR, and Business Ethics**

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(3)

Analysis of organizations' policies and practices using frameworks of sustainability and corporate social responsibility. Analysis of dilemmas presented to business executives and professionals using theories of ethics / business ethics.

- **MGMT 5103 - Seminar: Strategic Planning**

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(3)

Development of comprehensive business strategy and long-range plans with consideration for the social, economic, political, and technological environments; current strategic principles and practices; analysis of planning processes and systems.

- **MGMT 5106 - Employee Motivation and Work Behavior**

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(3)

The process of managing employee motivation in work organizations. Participants will analyze and apply classic and modern motivational theories and tools from Management and related disciplines.

- **MGMT 5107 - Power and Politics in Organizations**

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(3)

Prerequisite: BUS 5000, or MGMT 5101. Analysis of power and politics in organizations, its sources, determinants, and strategies. Discussion of the impact of power and politics on organizational decisions and their implementation. Cases and readings.

- **MGMT 5108 - Seminar: International Management**

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(3)

Prerequisite: BUS 500. Explores the stage on which international management is conducted, including political, economic, legal and socio-cultural systems as a backdrop. Examines how firms develop and execute their international strategies, how they interact effectively, and how they build an outstanding international workforce.

- **MGMT 5110 - Applied Research Methods in Management**

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(3)

Overview of research methods applicable to management and health care management; research designs for qualitative and quantitative studies; reporting applied research to help managers make decisions. Some sections of the course may be technologically mediated.

- **MGMT 5154 - Special Topics in Management**

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(1- 3)

Current topics of special interest in management, as announced in Schedule of Classes. May be repeated for credit.

- **MGMT 5200 - Entrepreneurship**

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(3)

Assessment of business opportunities and competitive environments. Issues in designing a new business venture, writing a business plan, and launching the business.



- **MGMT 5201 - Cases in Entrepreneurship**

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(3)

Analysis and discussion of successful and failed attempts to launch new ventures; application of theories and principles of business management to new ventures.

- **MGMT 5202 - New Venture Strategy and Competitive Dynamics**

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(3)

Prerequisite: BUS 5000 Foundations in Business Administration; or MGMT 5101, Management and Organizational Behavior. This course focuses on strategic challenges confronting new ventures. The course provides students with concepts, theories and methods to identify, analyze and define critical issues facing new ventures and to develop solutions.

- **MGMT 5203 - Social Entrepreneurship**

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(3)

Creating, designing and planning sustainable new ventures that address social and environmental problems and create value.

- **MGMT 5204 - New Venture Consulting**

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(3)

Overview of management consulting methods for new ventures, including applied projects in which students analyze new ventures and entrepreneurial opportunities, and present recommendations to founders / managers of entrepreneurial organizations.

- **MGMT 5300 - Managing Healthcare Organizations**

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(3)

Management processes, functions, and concepts as applied in healthcare organizations; issues in organizing, leading, and changing healthcare services with emphasis on best practices.

- **MGMT 5305 - Managing the Managed Health Care Organization**

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(3)

Concepts and management challenges of managed health care organizations such as health maintenance organizations (HMOs), preferred provider organizations (PPOs), commercial health insurance companies; provider organizations; integrated delivery systems (IDSs). Some sections of the course may be technologically mediated.

- **MGMT 5310 - Decision Making in Healthcare Management**

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(3)

Concepts, methods, tools, and advanced reasoning techniques for using the best available information to make decisions across the functions of healthcare management.

- **MGMT 5315 - Comparative Healthcare Systems**

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(3)

A critical examination of history and current trends in organizing healthcare systems across differences (e.g., time, culture, income, geography, governmental support, organization design). Managerial implications are drawn from the in-depth comparative analysis of the U.S. healthcare system.

- **MGMT 5320 - Healthcare Leadership and Talent Management**

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(3)

Leadership concepts and skills for managing people and change in healthcare. Strategic human resource planning, staffing, training and development, compensation, labor relations, and other aspects of healthcare talent management.

- **MGMT 5330 - Healthcare Law, Compliance, and Ethics**

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(3)

Regulation of healthcare facilities, professionals, consumers, and systems; ethical and socially responsible behavior and corporate compliance programs in healthcare organizations; management competencies required to meet the demands of healthcare reform.

- **MGMT 5335 - Financial Management of Healthcare Organizations**

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(3)

Prerequisites: MGMT 5310 and MGMT 5300. Financial management in healthcare, with emphasis on operational performance, current issues, and tools needed to manage a healthcare organization (e.g., budgeting; financial statement analysis; managerial decision-making).

- **MGMT 5340 - Management and Governance of Healthcare Information**

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(3)

Methods and policies in organizational management and corporate governance of healthcare information, including collaboration on business requirements, project management, privacy culture, and managerial accountabilities for healthcare records and decisions.

- **MGMT 5345 - Cases in Healthcare Management**

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(3)

Prerequisites: MGMT 5330 and MGMT 5335. Healthcare cases in strategic operational improvements involving regulation, competition, organizational integration, and management of costs, quality, projects, change, and ethical dilemmas.

- **MGMT 5350 - Healthcare Strategy, Innovation, and Change**

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(3)

Strategic planning for healthcare change and innovation. Internal and external strategies for improvement in healthcare organizations and surrounding communities. Policy, patient advocacy, and compassionate care are discussed among other considerations.

- **MGMT 5400 - Seminar Human Resource Management**

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(3)

Selected problem areas focusing on policies, techniques, and legal and social restrictions in areas of recruitment, selection, training, compensation, and occupational health and safety.

- **MGMT 5501 - Project Management**

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(3)

Prerequisites: none Discusses concepts and processes that supports the planning, scheduling, organizing and controlling, activities required for completion of a project/program. Emphasis is placed on the development of project management skills.

- **MGMT 5502 - Project Management for Biotechnology Professionals**

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(3)

Prerequisite/corerequisites: none This course focuses on the project management issues in the biotechnology and pharmaceutical industries, and uses project management cases and teaching materials from these industries.

- **MGMT 5940 - Advanced Field Study**

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(3)

Applied research to address a problem or issue in an organization, culminating in a research report and formal presentation of results.

- **MGMT 5951 - Management Case Research**

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(3)

Applied primary and secondary research on organizations presented with the managerial challenges, resulting in a publishable quality case study.

- **MGMT 5952 - Entrepreneurship Applied Research**

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(3)

Primary and secondary research on new ventures and their founding entrepreneurs; analysis of the entrepreneurial process and issues with start-up and managing growth.

- **MGMT 5980 - Graduate Directed Study**

---

(1-3)

Investigation of an approved project leading to a written report; arrangements made for regular meetings during quarter. May be repeated for credit for a maximum of 6 units. Graded ABC/NC. Prerequisite: Instructor consent to act as sponsor.

### **Marketing (Undergraduate)**

*Upper division standing is prerequisite to enrollment in 3000- and 4000-level MKT courses.*

- **MKT 3100 - Principles of Marketing**

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(3)

Introduction to an organization's marketing environment, consumer behavior, market research and strategies for product planning pricing, distribution, and promotion of goods and services. Some sections may be technologically mediated.

- **MKT 3200 - High Performance Professional Skills**

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(3)

Prerequisite: MKT 3100. Build professional skills through performance context, conceptual understanding, self assessment, analysis, application negotiation, public speaking, creativity, critical thinking, career and team building projects. Some Sections may be Technologically Mediated.

**(wi)**

- **MKT 3210 - Personal Selling**

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(3)

Prerequisite: MKT 3100. Explores the sales cycle from prospect to close as well as its role in the marketing process overall. Examines the roles of persuasion, consultation, negotiation and trust in selling.

- **MKT 3300 - Services Marketing**

---

(3)

Prerequisites: MKT 3100. Introduction to the marketing of services locally and globally; unique challenges of designing, delivering, promoting, and pricing intangible processes; service environment design; service customer relationships; service quality and recovery. Some sections may be technologically mediated.

- **MKT 3310 - Nonprofit Marketing**

---

(3)

Prerequisite: MKT 3100. Introduction to the marketing of nonprofit organizations locally and globally; unique challenges of marketing nonprofit products, services, and organizations; consumer, volunteer, donor, and funder behavior and loyalty; social marketing strategy. Some sections may be technologically mediated.

- **MKT 3400 - Consumer Behavior**

---

(3)

Prerequisites: MKT 3100 or Consent of Instructor. Introduction to the acquisition, consumption, and disposal of products and services; individual, household, and organization consumer decision-making processes; influence of groups, subcultures, culture, and global consumer culture. Some sections may be technologically mediated.

- **MKT 3500 - Global Business**

---

(3)

Prerequisites: MKT 3100. Introduction to globalization theories; globalization and its impact upon business practices; country and cultural diversity in business practices; scope of global business strategies, decision-making, and practices. Some sections may be technologically mediated.

- **MKT 3600 - Principles of Retailing**

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(3)

Overview of retail principles and concepts related to planning and developing retail formats that highlight the evolving dynamic, global retail environment where consumer behavior, demands, and value drive retail strategy. Some sections may be technologically mediated.

- **MKT 3700 - Marketing Analytics**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Investigates and analyzes Big Data electronic databases via electronic software to create marketing information to enable informed marketing decision making and strategic development. . Some sections may be technology mediated.

**GE UD B**

- **MKT 3800 - Introduction to Social Media Marketing**

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3

Surveys usage of social media tools and technology for marketing purposes. Studies the relevance and importance of these tools to new and emerging marketing processes. Some Sections may be Technologically Mediated.

- **MKT 3810 - The Syntax of Social Media**

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3

Applied course that studies syntax in a social media context. Examines how marketers use verbal and visual content to convey value, build brands, and connect with customers. Some Sections may be Technologically Mediated.

- **MKT 3950 - Community Based Social Marketing**

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(3)

Prerequisite: Completion of GE blocks A and B4, an additional course from block B, and at least one course each from blocks C and D. Applies the marketing process to building, and developing community based programs in the surrounding Cal State LA community. Considers the role of local business, non-profits and government utilization of marketing to engage and shape community behaviors for collective good.

**GE D (cl)**

- **MKT 3980 - Cooperative Education**

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(3)

Prerequisite: Courses appropriate to the work experience: approval by major department Cooperative Education coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 3980 and 3990 may not exceed 12. Graded CR/NC.

- **MKT 4300 - Marketing in a New Business**

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(3)

Focuses on concepts, frameworks, skills, tools, capital and entrepreneurial process to enable a start-up to market a sustainable enterprise. Some Sections may be Technologically Mediated

- **MKT 4310 - Business Consulting**

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(3)

Prerequisite: Majority of upper division Business Administration core courses. Examines the consulting profession discipline; develops proficiencies and skills required to practice consulting. Some Sections may be Technologically Mediated

- **MKT 4320 - Sustainability Marketing**

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(3)

Prerequisites: MKT 3100 or Consent of Instructor. Overview of sustainability in a marketing context; local and global impact of current marketing practices upon the environment; re-framing of marketing strategies and practices for environmental and social sustainability. Some sections may be technologically mediated.

- **MKT 4330 - Entertainment Marketing**

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(3)

Prerequisite: MKT 3100 or consent of instructor. Examination of marketing concepts, challenges, and trends in the entertainment environment. Topics include history, economics, and marketing strategy utilized in entertainment business. Some sections may be technology mediated.

- **MKT 4400 - New Product Development**

---

(3)

Prerequisite: MKT 3100. Develop conceptual, analytical, and decision-making skills expected of managers working in new product development nationally and globally; solving new product marketing problems and cases. Some Sections may be Technologically Mediated

- **MKT 4410 - Principles of Integrated Marketing Communications**

---

(3)

Prerequisite: MKT 3100. Introduction to integrated marketing communications elements: advertising, direct response, sales promotion and public relations, and their functions in today's communication environment. Some Sections may be Technologically Mediated

- **MKT 4420 - Brand Strategy**

---

(3)

Prerequisite: MKT 3100 Develop conceptual, analytical, and decision-making skills related to national and global brand tactical and strategic planning; solving marketing branding problems and cases. Some Sections may be Technologically Mediated.

- MKT 4430 - Direct Marketing

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(3)

Prerequisite: MKT 3100. Examines the growth of direct marketing from traditional mail order to the new technologies, customer relationship-building techniques, and performance measures. Some Sections may be Technologically Mediated

- MKT 4449 - Marketing Strategy

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(3)

Prerequisites: MKT 3100, 3200, 3210, 3400, and 4460 or 4461. Investigates marketing principles and philosophy while emphasizing the marketing process of selectivity and concentration, customer value, and differential advantage when developing marketing plans and strategies.

- MKT 4454 - Special Topics in Marketing

---

(1-3)

Prerequisite: Varies with topics; see Schedule of Classes for specific requirement. In-depth presentation and analysis of topics significant to contemporary business world; lectures, discussions, speakers, and research projects.

- MKT 4460 - Marketing Research - Quantitative

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(3)

Prerequisites: MKT 3100 and ECON 3060. Covers quantitative marketing research methodology focusing on developing, collecting, analyzing, and reporting marketing decision based data derived from survey data analyzed with electronic research software such as SPSS. Some sections may be technologically mediated.

- MKT 4461 - Marketing Research-Qualitative

---

(3)

Prerequisites: MKT 3100 or Consent of Instructor. Overview of qualitative marketing research in a local and global context; basic application of key qualitative research approaches including observational methods used in ethnography and netnography. Some sections may be technologically mediated.

- MKT 4500 - International Marketing

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(3)

Prerequisites: MKT 3100. Cultural and economic analysis of global markets; introduction to marketing research, decision-making, and strategy in a global context. Some sections may be technologically mediated.

- MKT 4510 - Intercultural Business Communication

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**(also listed as COMM 4160)**

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(3)

Analysis of communication issues in an intercultural or global business context; intercultural communication theories; intercultural business negotiations; role of nonverbal communication in doing business effectively. Some sections may be technologically mediated.

- **MKT 4520 - Import-Export**

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(3)

Prerequisite: MKT 3500. Introduction to import-export operations including legal and regulatory environments, documentation, financing and logistics. Examines trade patterns, international agreements and organizations that facilitate international trade.

- **MKT 4530 - Global Transportation and Logistics**

---

(3)

Prerequisite: MKT 3100. Examination of the role of intermodal (air, rail, water and trucking) transportation and logistics in developing global markets. Considers strategies and decision making for movement of goods in international trade.

- **MKT 4600 - Retail Buying and Merchandising**

---

(3)

Prerequisite: Mkt 3600 Emphasizes the process of selectivity and concentration, customer value, differential advantage, and integration required to secure merchandise and resources necessary to execute tactical and strategic retail merchandising and format plans.

- **MKT 4610 - Digital Marketing and E-commerce**

---

(3)

Prerequisite or corequisite: MKT 3100. Integration of online marketing and e-commerce activities with offline marketing to enable multi-channel marketing. Explores the thinking, creating, engaging and optimizing of web usage to meet consumer online demands.

- **MKT 4710 - Pricing**

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(3)

Prerequisite: MKT 3100. Theory and practice of conceptual and operational pricing conflicts between economists, accountants, and marketers. Marketing Pricing Strategies through cases and problems. Some sections may be technology mediated.

- **MKT 4800 - Search Engine Marketing and Web Analytics**

---

3

Prerequisite: MKT 3800 or consent of instructor. Considers the tools, techniques and technology related to online search activities. Examines the role of search in e-marketing and e-commerce strategies and importance of analytical tools to gauge effectiveness. Some Sections may be Technologically Mediated.

- **MKT 4810 - Mobile Marketing Strategy and App Development**

---

(3)

Prerequisite: MKT 3800 and consent of instructor. Focused on the development and creation of strategic marketing plans and mobile apps for mobile device users with the intent to engage in connected, location-based mobile marketing strategy. Some Sections may be Technologically Mediated.



- **MKT 4820 - Social Media Marketing Strategy**

---

3

Prerequisite: MKT 3800 or consent of instructor. Examines tactical and strategic process and activities necessary for utilizing social media to engage customers and develop markets. Emphasis placed on measuring and tracking effectiveness of social media marketing strategies. Some Sections may be Technologically Mediated.

- **MKT 4830 - Social Media and Entrepreneurship**

---

3

Prerequisite: MKT 3800 or consent of instructor. Hands-on course engaging students in the strategic use of social media and online connectivity. Examines and utilizes social media in developing entrepreneurial new businesses. Some Sections may be Technologically Mediated.

- **MKT 4854 - Contemporary Topics in Social Media Marketing**

---

3

Prerequisite: MKT 3800 or consent of instructor. Contemporary topics of special interest enabling in-depth investigation, analysis and application of emerging social media marketing issues as they relate to digital consumer and the marketplace. Some sections may be technologically mediated.

- **MKT 4980 - Cooperative Education**

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(1-3)

Prerequisite: Completion of senior level courses appropriate to experience; Cooperative Education coordinator  
Participation in work experience integrated with academic program experience integrated with academic program;  
assignments arranged individually in advanced through coordinator.

### **Marketing (Graduate)**

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000- level courses.*

- **MKT 5000 - Marketing Principles and Concepts**

---

(3)

Covers researching, planning, developing, , and controlling marketing principles and concepts to formulate marketing plans/strategies relative to environmental factors, consumer behavior and organizational behavior in a dynamic global environment. Some sections may be technologically mediated.

- **MKT 5200 - Seminar: Professional Development Skills**

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(3)

Develops the employable professional skills for MBAs. Hard and soft skills: personal branding, career planning, thinking critically and creatively, communication, and listening are developed. Some Sections may be Technologically Mediated

- **MKT 5300 - Seminar: New Venture Marketing**

(3)

Examines the process new ventures are conceived, launched and developed in the face of uncertainty; and the role marketing plays in launching new ventures. Examines marketing processes new ventures encounter during conception, development and launching of ventures in an uncertain, dynamic environment. Some Sections may be Technologically Mediated



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|--|--|--|--|---|--|
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# University Catalog

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### Marketing (Graduate)

*Classified graduate standing and approval by the College of Business and Economics Advisement Center are required for admission to all 5000- level courses.*

- **MKT 5310 - Seminar: Business Consulting (3)**

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(3)  
Prerequisite: BUS 5023 or consent of instructor. Provides excellent grounding for students planning consulting and marketing careers. Topics include marketing management consulting skills utilized in Big 4 Consulting. Core skills: marketing strategy/execution, process/problem solutions, and proposal development.
  - **MKT 5320 - Seminar: Sustainability Marketing**

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(3)  
Prerequisites: BUS 5023 or Consent of Instructor. Critical analysis of sustainability in a marketing context; local and global impact of current marketing practices upon the environment; re-framing of marketing strategies and practices for environmental and social sustainability. Some sections may be technologically mediated.
  - **MKT 5400 - Seminar: Consumer Behavior**

---

(3)  
Prerequisites: BUS 5023 or Consent of Instructor. Critical analysis of local and global consumption processes including the acquisition, consumption, and disposal of products and services; consumer decision-making processes; influence of groups, subcultures, culture, and global consumer culture. Some sections may be technologically mediated.

- **MKT 5410 - Seminar: Integrated Marketing Communications**

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(3)

Examines the development of integrated marketing communications to ensure consistency of messages and media usage to maximize the impact on consumers and other targeted audiences. Some Sections may be Technologically Mediated

- **MKT 5420 - Brand Strategy Seminar**

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(3)

Prerequisite: BUS 5023 Develop conceptual, analytical, and decision-making skills related to national and global brand tactical and strategic planning; solving marketing branding problems and cases. Some Sections may be Technologically Mediated.

- **MKT 5454 - Special Topics in Marketing**

---

(3)

Prerequisites: BUS 5023. Current marketing topics of special interest enabling in-depth presentations and analysis of significant contemporary national and global marketing trends. May be repeated once as subject matter changes.

- **MKT 5460 - Seminar: Quantitative Marketing Research**

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(3)

Prerequisites: BUS 5023 or consent of Instructor. Critical investigation of quantitative marketing research methodology focusing on developing, collecting, analyzing, and reporting marketing decision based data derived from survey data analyzed with electronic research software such as SPSS. Some sections may be technologically mediated.

- **MKT 5461 - Seminar: Qualitative Marketing Research**

---

(3)

Prerequisites: BUS 5023 or Consent of Instructor. Critical analysis of qualitative marketing research in a local and global context; in-depth application of qualitative research approaches including observational methods used in ethnography and netnography. Some sections may be technologically mediated.

- **MKT 5500 - Seminar: International Marketing**

---

(3)

Prerequisites: BUS 5023. Critical evaluation and analysis of the culture and economy of global markets; in-depth analysis and critique of marketing research, decision-making, and strategy in a global context. Some sections may be technologically mediated.

- **MKT 5600 - Seminar: Retailing and Merchandising Strategy**

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(3)

Examines the dynamic evolution and growth of the retail industry via retail merchandising and strategy principles and philosophy embracing multi-channel, differential formation, and customer value creation via various retail formats .

- **MKT 5610 - Seminar: Digital Marketing Strategy**

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(3)

Prerequisite: BUS 5023 or consent of instructor. Investigates digital marketing role in marketing strategy to insure marketing philosophy, principles and imperatives are present across dynamic, multi-channels to address customer value and a digital differential advantage.

- **MKT 5700 - Seminar: Marketing Analytics**

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(3)

Prereq: BUS 5023. Investigates and analyzes Big Data electronic databases via electronic software to create marketing information to enable informed marketing tactical and strategic plans.

- **MKT 5800 - Seminar: Social Media & Marketing Integration**

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(3)

Considers the role of social media in developing market planning and strategy. Examines managerial level issues and decisions related to effective tactical and strategic uses of social media for marketing.

- **MKT 5950 - Community Based Social Marketing Management**

---

(3)

Prerequisite: BUS 5023 or consent of instructor. Explores building, developing, and managing community based social marketing tactical / strategic programs. Explores business, non-profit and government utilizing marketing management processes to engage and shape community behaviors for collective good.

- **MKT 5980 - Graduate Directed Study**

---

(3)

Investigation of an approved project leading to a written report; project selected in conference with supervising professor, and arrangements made for regular meetings during semester. May be repeated for credit.

### **Math (Undergraduate)**

*The Entry Level Math (ELM) requirement must be met before enrollment in MATH 0890, 0900, 0910, 1000, 1020, 1030, 1040, 1090, 2420.*

- **MATH 0540 - Special Topics at the Precollegiate Level**

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(1-5)

Selected topics in remedial mathematics with varying delivery methods. No credit towards baccalaureate degree. Graded CR/NC.

- **MATH 0920 - Beginning Algebra**

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(4)

Required of students scoring 36 or less on the ELM unless exempt. Integers, rational and real numbers, basic algebraic expressions, ratio, percent, solutions and graphs of linear equations, inequalities, polynomials, applications. Graded ABC/NC. No credit towards baccalaureate.

- **MATH 0930 - Intermediate Algebra**

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(4)

Prerequisite: MATH 0920 or a score between 37 and 49 on the ELM. Polynomials, factoring, rational expressions, quadratic equations, roots, radicals, radical expressions, exponents, logarithms, graphs, applications. Graded ABC/NC. No credit towards baccalaureate.

- **MATH 1000 - Introduction to College Mathematics**

---

(3)

Prerequisites: Score of 50 or more on ELM; or MATH 0930 with minimum C grade. The language of mathematics. Sets and their application. Combinatorics and probability. Descriptive statistics. Financial mathematics. Graded ABC/NC

**GE B4**

- **MATH 1020 - College Algebra**

---

(3)

Prerequisite: Score of 50 or more on ELM or MATH 0930 with a minimum C grade. Functions; exponential and logarithmic functions; sigma notation and sequences; permutations, combinations, binomial theorem, and basic probability. Graded ABC/NC

**GE B4**

- **MATH 1040 - Precalculus**

---

(6)

Prerequisite: Score of 50 or more on (or exemption from) ELM or MATH 0930 with a minimum C grade or satisfactory score on placement examination. Functions, Exponential and logarithmic functions; polynomials and rational functions; systems of linear equations and matrices; sequences and series; trigonometric functions, identities, and equations; solution of triangles; inverse trigonometric functions; complex numbers, DeMoivre's Theorem; parametric equations; polar coordinates; conic sections. Lecture 5 hours, activity 2 hours. Graded ABC/NC.

**CI-D MATH 155:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **MATH 1050 - Precalculus for Life Sciences**

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(6)

Prerequisite: Score of 50 or more on ELM or MATH 0930 with a minimum C grade. Rudimentary knowledge of Microsoft Excel. Intended for Life Science majors. Linear, polynomial, rational, exponential, logarithmic and sinusoidal functions

and their properties in a biological context. Analysis of basic discrete dynamical models. Basic probability. Matrix operations, including eigenvalues and eigenvectors. Lecture 5 hours, Activity 2 hours. Graded ABC/NC.

- **MATH 1081 - Mathematical Analysis I**

---

(3)

Prerequisite: Score of 50 or more on (or exemption from) ELM or MATH 0930 with a minimum C grade or satisfactory score on placement examination. Functions, exponential and logarithmic functions; polynomials and rational functions; systems of linear equations and matrices; sequences and series including arithmetic and geometric series.

- **MATH 1083 - Mathematical Analysis II**

---

(3)

Prerequisite: MATH 1081 with a minimum C grade or satisfactory score on placement examination. Trigonometric functions, identities, and equations; solution of triangles; inverse trigonometric functions; complex numbers, DeMoivre's Theorem; parametric equations; polar coordinates; conic sections.

- **MATH 1085 - Discrete Mathematical Models**

---

(3)

Prerequisite: Math 1081 with minimum grade of C or satisfactory score on Math 1081 exit exam. Rudimentary knowledge of Microsoft Excel. Sinusoidal, exponential and logarithmic functions in a biological context. Formulation and analysis of basic discrete models in biology. Basic probability, including conditional probability and independence. Eigenvalues and eigenvectors of matrices. Intended for life-science majors, primarily for transfer students who have completed the equivalent of Math 1081.

- **MATH 1090 - Quantitative Reasoning with Statistics**

**(Also listed as ECON 1090)**

---

(3)

Prerequisite: Score of 50 or more on ELM or MATH 0930 with a minimum C grade. Principles of quantitative reasoning, data presentation, descriptive statistics, correlation, probability, distributions of random variables, sampling distributions, interval estimation, and statistical inference, with multi-disciplinary applications. Graded ABC/NC

**GE B4**

- **MATH 1100 - Foundations of the Real Number System for Elementary and Middle School Teachers**

---

(3)

Prerequisite: MATH 0930 or exemption from ELM requirement. Integers and elementary number theory, rational numbers, decimals and percent, ratio and proportion, alternate bases, and word problems. Restricted to students in multiple subjects credential programs. This course does not fulfill the General Education A-4 requirement. Graded

- **Math 1150 - Elements of Algebra and Statistics for Elementary and Middle School Teachers**

---

(3)

Prerequisites: Math 1100 and satisfaction of or exemption from the ELM requirement. Functions, relations, sequences, discrete structures, probability, data analysis, and descriptive statistics. Restricted to students in multiple subjects credential programs. Graded ABC/NC.

- **MATH 1540 - Selected Topics in Mathematics**

---

(1-3)

Prerequisite: Completion of remediation, if required, or score of 50 or more on ELM. Other prerequisites as needed for specific topics. Current topics of interest to students in Mathematics as announced in the Schedule of Classes. May be repeated for credit as subject matter changes. Graded CR/NC.

- **MATH 2040 - Applied Calculus I**

---

(3)

Prerequisites: Math 1050 with minimum grade of C, or MATH 1081 and MATH 1085 both with a minimum C grade, or satisfactory score on placement examination. Students with a grade of less than B- in either MATH 1050, or in one of MATH 1081 or MATH 1085 must enroll concurrently in MATH 2041. Limits, continuity, derivatives, discrete models and their stability, extrema, long-term behavior of systems, approximation, Newton's method, with a focus on applications in biology.

- **MATH 2041 - Applied Calculus I: Workshop**

---

(1)

Activity for MATH 2040 with focus on problem solving and applications. Recommended for all students, but mandatory for those with grade below B- in any prerequisite for MATH 2040 or those repeating MATH 2040.

- **MATH 2050 - Applied Calculus II**

---

(3)

Prerequisite: MATH 2040 with minimum grade of C. Students with a grade of less than B- in MATH 2040 must enroll concurrently in MATH 2051. Integration methods, definite and indefinite integrals, numerical, graphical and exact methods for solving basic differential equations, analysis of stability of equilibria of systems, with a focus on applications in biology.

- **MATH 2051 - Applied Calculus II: Workshop**

---

(1)

Activity for MATH 2050 with focus on problem solving and applications. Recommended for all students enrolled in MATH 2050, but mandatory for those with grade below B- in Math 2040 or those repeating MATH 2050.

- **MATH 2110 - Calculus I**



---

(4)

Prerequisites: MATH 1040 with a minimum C grade, or MATH 1081 and MATH 1083 both with a minimum C grade, or satisfactory score on placement examination; students with a grade of less than B- in either MATH 1040, or in one of MATH 1081 or MATH 1083 must enroll concurrently in MATH 2111. Functions, graphs, limits, continuity, derivatives, applications of the derivative, anti-differentiation, definite integral, Fundamental Theorem of Calculus, integration by substitution, applications of the integral.

**CI-D MATH 210/MATH 211/MATH 900S:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **MATH 2111 - Calculus I Workshop**

---

(1)

Corequisite in MATH 2110 is required. Open to all MATH 2110 students but mandatory for students whose grade is less than B- in MATH 1040, or in one of MATH 1081 or MATH 1083. Graded CR/NC.

- **MATH 2120 - Calculus II**

---

(4)

Prerequisites: MATH 2110 with a minimum C grade; students with a grade of less than B- in MATH 2110 must enroll concurrently in MATH 2121. Integration of transcendental functions, methods of integration, limits of sequences and series, power series, Taylor series, three dimensional analytic geometry.

**CI-D MATH 220/MATH 221/MATH 900 S:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **MATH 2121 - Calculus II Workshop**

---

(1)

Corequisite in MATH 2120 is required. Open to all MATH 2120 students but mandatory for students whose grade in MATH 2110 is less than B-. Graded CR/NC.

- **MATH 2130 - Calculus III**

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(3)

Prerequisites: MATH 2120 with a minimum C grade; students with a grade of less than B- in MATH 2120 must enroll concurrently in MATH 2131. Partial differentiation, multiple integration, vector calculus, line integrals.

**CI-D MATH 230:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **MATH 2131 - Calculus III Workshop**

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(1)

Corequisite in MATH 2130 is required. Open to all MATH 2130 students but mandatory for students whose grade in MATH 2120 is less than B-. Graded CR/NC.

- **MATH 2150 - Differential Equations**

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(3)

Prerequisite: MATH 2130. Ordinary differential equations with concentration on methods of finding solutions; applications in science and engineering.

**CI-D MATH 240:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **MATH 2170 - Introduction to Computer Algebra Systems**

---

(3)

Prerequisite: MATH 2110 with grade C or better. Introduction to computer algebra systems such as Mathematica, Matlab or Maple; overview of built-in functions; 2-D and 3-D graphs; basic programming structures; flow control; development and implementation of algorithms.

- **MATH 2250 - Explorations in Geometry for Elementary and Middle School Teachers**

---

(3)

Prerequisites: A college level mathematics course with a minimum grade C. Topics include properties of two and three dimensional figures, measurement, constructions, structure, spatial relationships, transformations, and graph theory presented through multiple teaching modes. No credit for mathematics majors.

- **MATH 2420 - Mathematics for Business and Economics Majors**

---

(3)

Prerequisites: MATH 1040 or MATH 1081 with minimum C grade or satisfactory score on placement examination. Differential calculus with applications in business and Economics; introduction to integral calculus.

- **MATH 2450 - Foundations of Mathematics I: Discrete Mathematics**

---

(3)

Prerequisite: MATH 2110. Preliminary introduction to the basic mathematical notation, vocabulary, and reasoning used in advanced mathematics courses. Logic; elementary set theory; proof techniques; recursion; induction; equivalence relations; counting techniques; graphs and trees.

**CI-D COMP 152:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 2530 - Foundations of Mathematical Structures for Teachers**

---

(3)

Prerequisite: MATH 1040 or MATH 1081. Vectors in two and three dimensions; dot and cross product, matrices; basis and subspaces; determinants, systems of linear equations and their solvability; inequalities and applications; ring, field and order properties of real and complex numbers; coordinate geometry, three dimensional geometry, non-Euclidean geometries. No credit toward coursework for the B.A. or B.S. degree in Mathematics.

- **MATH 2540 - Selected Topics in Mathematics**

---

(1-4)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics, as announced in Schedule of Classes. May be repeated for credit.

- **MATH 2550 - Introduction to Linear Algebra**

---

(3)

Prerequisite: MATH 2120. Vector spaces, linear transformations, linear equations, matrices, determinants, eigenvectors and eigenvalues, canonical forms.

**CI-D MATH 250:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **MATH 2740 - Introduction to Statistics**

---

(3)

Prerequisite: MATH 1040 or MATH 1081. Graphical display of data, measures of variation, correlation, least-squares regression, design of samples and experiments, basic rules of probability, normal distribution, central limit theorem, sampling distributions, confidence intervals, hypothesis tests.

- MATH 3200 - Selected Topics in History of Mathematics

---

(3)

Prerequisite or corequisite: MATH 2120. Traces development of fundamental concepts and techniques in fields of algebra, geometry, trigonometry, and calculus.

- MATH 3450 - Foundations of Mathematics II: Mathematical Reasoning

---

(4)

Prerequisite: MATH 2450. Set families; equivalence relations; modular arithmetic; functions; combinatorial reasoning; cardinality; linearly and partially ordered sets; abstract binary operations; standard number systems as groups, rings, or fields; and limits of sequences. 3 units lecture, 1 unit recitation.

- MATH 3540 - Selected Topics in Mathematics

---

(1-4)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics as announced in the Schedule of Classes. May be repeated for credit.

- MATH 3950 - Field Experience I: Introduction to Classroom Strategies

---

(2)

Prerequisites: MATH 2130. Introduction to effective teaching techniques, common core standards, California frameworks and education laws; analysis of strategies to prepare mathematics teaching candidates for urban schools.

*Field Experience I*

**WI GE**

- MATH 3960 - Field Experience II: Application and Evaluation of Classroom Strategies

---

(2)

Prerequisites: MATH 3950; completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Developing personal vision as an effective mathematics teacher in a diverse classroom; discussion of students' misperceptions and learning difficulties; evaluation of effective teaching strategies and practicing communication of mathematics. Service learning required. Graded CR/NC

*Field Experience II*

**WI GE**

- MATH 4010 - Ordinary Differential Equations

---

(3)

Prerequisite: MATH 2130, 2150, 2550, 3450 with minimum C grade. Ordinary differential equations with concentration on properties of solutions. Introduction to dynamical systems and bifurcation theory.

- MATH 4021 - Advanced Mathematics I for Engineers and Physicists

---

(3)

Prerequisite: MATH 2150 or 4010. Vector analysis to include line and surface integrals, orthogonal curvilinear coordinates, complex variables to include contour integration and conformal mapping, Laplace transformation.

*\*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4950.*

- **MATH 4030 - Partial Differential Equations**

---

(3)

Prerequisite: MATH 2150 or MATH 4010. Orthogonal sets of functions; Fourier series and integrals, with applications to the equations of mathematical physics; first order equations, Cauchy's method of characteristics.

- **MATH 4100 - Vector Analysis**

---

(3)

Prerequisites: MATH 2130 and MATH 2550. Vector algebra and calculus, vector fields, gradient, divergence, curl, divergence theorem, Stokes' theorem, applications to geometry and mathematical physics.

- **MATH 4200 - Mathematical Logic**

---

(3)

Prerequisite: MATH 3450 with minimum C grade. The statement calculus, the predicate calculus, mathematical structures, and the deduction of valid consequences; the completeness theorem.

- **MATH 4300 - Modern Geometry**

---

(3)

Prerequisite: MATH 3450 with minimum C grade. Topics selected from advanced Euclidean geometry, non-Euclidean geometry, projective geometry. May be repeated once for credit with approval of instructor as subject matter changes.

- **MATH 4460 - Theory of Numbers**

---

(3)

Prerequisite: MATH 3450 with minimum C grade. Divisibility, Euclidean algorithm, prime numbers, fundamental theorem of arithmetic, distribution of primes, congruences, Fermat-Euler and Wilson theorems, residues and quadratic reciprocity law. Bernoulli numbers, quadratic forms, Diophantine equations.

- **MATH 4540 - Selected Topics in Advanced Mathematics**

---

(1-4)

Prerequisites: As needed for specific topic. Current topics of interest to students in mathematics, as announced in Schedule of Classes. May be repeated for credit.

- **MATH 4550 - Modern Algebra I**

---

(3)

\*Prerequisites: MATH 2550 and MATH 3450 with minimum C grade. Groups and rings, including normal subgroups, quotient groups, ideals, quotient rings, group and ring homomorphisms and isomorphisms.

*\*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4950.*

- **MATH 4560 - Modern Algebra II**

---

(3)

Prerequisite: MATH 4550. Additional topics in groups and rings, field extensions, modules.

- **MATH 4570 - Linear Algebra**

---

(3)

Prerequisites: MATH 2550 and MATH 3450 with minimum C grade. Vector spaces linear transformations, eigenvalues and eigenvectors, canonical forms, scalar product spaces.

- **MATH 4650 - Analysis I**

---

(3)

Prerequisite: MATH 2130, 3450 with minimum C grade. Real number system; topology of Euclidean space including compactness and completeness; sequences and series, including limit inferior and limit superior; continuity.

- **MATH 4660 - Analysis II**

---

(3)

Prerequisite: MATH 4650. Differentiation and integration of functions of a real variable; sequences of functions.

- **MATH 4670 - Multivariate Analysis**

---

(3)

Prerequisite: MATH 2550, 4650. Functions of several variables; partial derivatives; generalized chain rule; inverse and implicit function theorems; line and surface integrals.

- **MATH 4680 - Introduction to Complex Analysis**

---

(3)

Prerequisite: MATH 4650. Complex variables, analytic functions, complex integration, conformal mappings, applications.

- **MATH 4690 - Introduction to Topology**

---

(3)

Prerequisite: MATH 4650. Introduction to point set topology, including continuity, product spaces, compactness,

Tyconoff theorem, connectedness, metric spaces, and Urysohn lemma.

- **MATH 4700 - Numerical Analysis I**

---

(3)

Prerequisites: MATH 2120, MATH 2170 (or equivalent programming experience) and MATH 2550. Errors in floating point representation, nonlinear equations, systems of linear equations, polynomial interpolation, numerical integration and differentiation.

- **MATH 4710 - Numerical Analysis II**

---

(3)

Prerequisites: MATH 2150 and MATH 4700. Numerical solution of ordinary and partial differential equations, spline and least square approximation, fast Fourier transform.

- **MATH 4720 - Linear Optimization**

---

(3)

Prerequisite: MATH 2550. Geometric solutions, simplex method, the transportation problem, elementary game theory.

- **MATH 4740 - Theory of Probability**

---

(3)

Prerequisite: MATH 2130. Highly recommended MATH 2450. General probability spaces, discrete and continuous random variables, conditional probability, joint distributions, random sampling, law of large numbers, normal, gamma, Poisson and binomial distributions.

- **MATH 4750 - Introduction to Mathematical Statistics**

---

(3)

Prerequisite: MATH 4740. Estimation and tests of hypotheses, decision theory and Bayes solutions.

- **MATH 4800 - Modeling Biological Systems**

---

**Also listed as BIOL 4800**

(3)

Prerequisites: minimum grade of C in Math 2050 or in both Math 2150 and Math 2550. Modeling techniques applied to biological systems. Topics include nonlinear dynamics, stochastic models, compartmental and spatial models, parameter estimation, methods of model evaluation, modeling complexities.

- **MATH 4840 - Graph Theory**

---

(3)

Prerequisites: MATH 2450 and MATH 3450 with minimum C grade. Introduction to graph theory and its applications: graphs, trees, and directed graphs; isomorphism; connectivity; network flows; Hamiltonian graphs; planar graphs; coloring problems; matchings; Ramsey theory.

- MATH 4900 - Senior Seminar in Mathematics

---

(4)

\*Prerequisites: MATH 2450, 4550, and 4650. Capstone course in mathematics including written and oral exposition  
Expository writing on mathematical topics selected by the instructor, including a technical report. Writing-intensive.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4950.*

**WI**

- MATH 4901 - Capstone Course for Teachers of Mathematics

---

(4)

\*Prerequisites: MATH 3960, 4300 and 4650, Admission to the Single Subject Credential program. Oral and written expositions including technical reports connecting advanced mathematics and high school mathematics, math education articles analyses, field-work analysis, pedagogical content knowledge analysis and a final exam.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4901, 4950, 4960.*

**WI**

- MATH 4950 - College Instruction I: Introduction to Instructional Strategies in College Mathematics

---

(2)

\*Prerequisite: Graduate standing or permission of instructor. Teaching strategies and learning styles in lower division mathematics courses. Course organization; syllabus and exam preparation; instructional techniques; dealing with special problems; University policies and procedures. Graded CR/NC.

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4950.*

- MATH 4960 - College Instruction II: Application and Analysis of Instructional Strategies in College Mathematics

---

(2)

\*Prerequisites Math 4950 Co-Requisite: Math department graduate teaching assignment. Oral and written expositions including analyses of peer observation and interviews, discussion of emerging classroom issues, instructional planning and student learning; reflection paper on first college teaching experience and portfolio. May be repeated for credit. GRADED CR/NC

*College instruction II*

*\*All 400-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4021, 4550, 4650, 4900, 4901, 4950, 4960.*



- **MATH 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as a sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

**Math (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4020, 4550 4650 4900, 4950. Classified graduate standing is required for enrollment in 5000-level courses.*

- **MATH 5021 - Applied Linear Analysis I**

---

(3)

Prerequisites: MATH 2150 or 4010; MATH 2550 and 4650. Recommended: MATH 4570 and 4660. Function spaces, convergence, inner product, bounded linear operators, integral operators and integral equations, adjoint operators, expansion in eigenfunctions, resolvent, kernel.

- **MATH 5022 - Applied Linear Analysis II**

---

(3)

Prerequisite: MATH 5021. Unbounded operators, differential operators of second order, Sturm-Liouville operators, eigenvalues and eigenfunctions, Green's Functions, and additional topics.

- **MATH 5210 - Mathematical Modeling**

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(3)

Prerequisite: MATH 2170 (or equivalent programming experience), MATH 2150 or 4010, MATH 2550, MATH 4740, Recommended: MATH 4030. Modeling techniques with difference and differential equations and stochastic models, with applications in fields such as biology, physics, and engineering.

- **MATH 5220 - Optimization**

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(3)

Prerequisite: MATH 2170 (or equivalent programming experience), MATH 2550, MATH 4650. Selected topics from unconstrained, constrained, least squares, and parametric optimization.

- **MATH 5401 - Abstract Algebra I**

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(3)

Prerequisite: MATH 4550. Theory of groups, introduction to rings.

- **MATH 5402 - Abstract Algebra II**

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(3)

Prerequisite: MATH 5401. Theory of rings and fields.

- **MATH 5500 - Advanced Topics in Algebra and Number Theory**

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(3)

Prerequisite: Approval of instructor. Advanced topics selected from group theory, ring theory, linear algebra, combinatorial group theory, simple groups of Lie type, representation theory, and number theory. May be repeated to maximum of 6 units with approval of graduate advisor.

- **MATH 5510 - Advanced Topics in Analysis**

---

(3)

Prerequisite: Approval of instructor. Advanced topics selected from real analysis, complex analysis, functional analysis, Fourier analysis, and applied analysis. May be repeated to maximum of 6 units with approval of graduate advisor.

- **MATH 5520 - Advanced Topics in Topology and Geometry**

---

(3)

Prerequisite: Approval of instructor. Advanced topics selected from knot theory, algebraic topology, differential topology, combinatorial topology, algebraic geometry, and differential geometry. May be repeated to maximum of 6 units with approval of graduate advisor.

- **MATH 5530 - Advanced Topics in Applied Mathematics**

---

(3)

Prerequisite: Approval of instructor. Advanced topics selected from various fields in applied mathematics, such as mathematical biology, mathematical modeling, applied probability, dynamical systems, and numerical analysis. May be repeated to maximum of 6 units with approval of graduate advisor.

- **MATH 5540 - Advanced Topics in Combinatorics and Graph Theory**

---

(3)

Prerequisites: Approval of instructor. Advanced topics selected from combinatorics, graph theory and its applications, combinatorial optimization, and game theory. May be repeated to maximum of 6 units with approval of graduate advisor.

- **MATH 5680 - Advanced Complex Analysis**

---

(3)

Prerequisite: MATH 4680. Laurent series, singularities, residue problems, contour integration, conformal mappings, and additional topics.

- **MATH 5690 - Topology**

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(3)

Prerequisite: MATH 4690. Basic concepts of point set topology: mappings, compactness, connectedness, separation properties, and metrization.

- **MATH 5700 - Numerical Linear Algebra**

---

(3)

Prerequisites: MATH 2170 (or equivalent programming experience), MATH 4570, MATH 4700. Numerical solutions of linear systems of equations, and eigenvalue problems, direct solutions, iterative solutions, with additional topics in linear algebra as time permits.

- **MATH 5710 - Numerical Solutions of Partial Differential Equations**

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(3)

Prerequisites: MATH 2170 (or equivalent programming experience), MATH 4700. Numerical solutions of partial differential equations; finite-difference approximations, consistency, convergence, stability.

- **MATH 5740 - Applied Probability Theory**

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(3)

Prerequisite: MATH 4740. Recommended: MATH 2170. Characteristic functions. Modes of convergence. Law of large numbers. Martingale convergence theorem. Markov chains. Monte Carlo method. Poisson processes. Random walk. Gaussian processes. Brownian motion. Applications in related areas.

- **MATH 5800 - Real Analysis**

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(3)

Prerequisite: MATH 4660. Theory of Lebesgue measure on the real line; theory of the Lebesgue integral and related convergence theorems.

- **MATH 5960 - Comprehensive Examination**

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(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **MATH 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: Instructor consent. Independent study of advanced topics in mathematics; regular conferences with instructor. May be repeated once.



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### Math (Graduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by department and approval of graduate adviser: MATH 4020, 4550 4650 4900, 4950. Classified graduate standing is required for enrollment in 5000-level courses.

- **MATH 5990 - Thesis**

(1-3)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 4 units. Graded CR/NC.

### Mechanical Engineering (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.

- **ME 1010 - Mechanical Energy Production, Transmission, and Utilization**

(3)

Prerequisite: Math 1081 or one year of high school Algebra. Engineering principles for non-engineering majors. Introduction to how Mechanical Engineers use natural sources of energy to produce, transmit, and utilize work and power. Both alterative and traditional sources of energy will be discussed. No credit towards B.S. degree in Mechanical Engineering.

- **ME 1140 - Machine Shop**

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(1)

Introduction to machine shop procedures, safety practices, hand tools, band saw, drill press, milling, turning, welding (Graded CR/NC).

- **ME 1540 - Special Topics in Mechanical Engineering**

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(3)

Prerequisite: Instructor consent and as needed for specific topic. Current topics of special interest to students in mechanical engineering, as announced in Schedule of Classes. May be repeated for credit.

- **ME 2010 - Statics**

**(also listed as CE 2010)**

---

(3)

Prerequisites: MATH 2120, PHYS 2100 both with a minimum C grade. Fundamental principles of statics, resolution and composition of forces, algebraic and graphic solutions, friction, center of gravity, moment of inertia.

**CI-D ENGR 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ME 2040 - Mechanical Measurements and Instrumentation**

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(3)

Prerequisite: PHYS 2200. Introduction to electrical circuits, engineering measurements and instrumentation, introduction to automatic control systems and components.

- **ME 2050 - Strength of Materials I**

**(also listed as CE 2050)**

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(3)

Prerequisites: CE/ME 2010 with a minimum C grade. Stresses and strains under axial, shearing, and torsional forces; flexural stresses and deflections of simple beams; columns; and combined stresses.

**CI-D ENGR 240:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ME 2070 - Materials Science and Engineering**

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(3)

Prerequisites: CHEM 1040, MATH 2110 both with a minimum C grade. Understanding structure and fundamental atomic and molecular mechanisms of engineering materials, atom and electron movement, physical and mechanical properties; overview of engineering materials, semiconductors, metals, ceramics, polymers, and composites.

**CI-D ENGR 140:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **ME 2120 - Matrix Algebra and Statistics for Engineers**

**(also listed as CE 2120)**

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(3)

Prerequisites: MATH 2120. Introduction to calculations using vectors; matrix operation; solution of linear simultaneous equations; coordinate transformation; probability distributions and densities; concepts in statistics; application to engineering problems.

- **ME 2140 - Review of Solid Mechanics**

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(3)

Prerequisite: CE/ME 205, Free body diagrams, static analysis, determinate and indeterminate structures, internal and external forces, Hooke's Law, shear and moment diagrams/equations, axial/bending/shear/tearing/bearing stresses, Mohr's Circle, centeroids, moments of inertia, singularity functions (Graded CR/NC).

- **ME 2540 - Special Topics Course for Sophomores in Mechanical Engineering**

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(4)

Prerequisites: Sophomore Standing in Mechanical Engineering enrollment subject to approval of instructor in charge. Group Study of selected topics not currently offered as technical electives. Study groups may be organized in mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 2800 - Numerical Methods for Engineers I**

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(1)

Prerequisites: CE/ME 2120. This course focuses on equipping students with the basic computing skills students will need throughout their engineering disciplines. Introduction to basic engineering problems, algorithm development, and implementation into a computer program. (Laboratory 6 hours)

**CI-D ENGR 230:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **ME 3000 - Economics for Engineers**

**(Also listed as EE 3000 and CE 3000)**

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(3)

Basic economic concepts and principles, costs and benefits analysis, alternative designs, economic viability of engineering solutions in broader context.

- **ME 3010 - Ethics and Professionalism in Engineering**

(3)

Prerequisites: Junior or Senior standing in engineering. Ethical issues in engineering profession; impact of engineering profession on society; professional registration and liability; ethical standards and legal responsibilities.

- **ME 3030 - Fluid Mechanics I**

**(also listed as CE 3030)**

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(3)

Prerequisites: PHYS 2100, CE/ME 2010 with a minimum C grade. Fundamental principles and methods of fluid mechanics; thermodynamics of fluid flow; Newtonian fluids; equations of fluid flow; laminar and turbulent flow; applications.

- **ME 3040 - Experimental Methods in Biomechanical Engineering**

(1)

Prerequisites: ME 2040 or EE 2040. Introduction to experimental methods, sensors and data acquisition with emphasis on mechanical applications in biomedical engineering. Statistical methods for the analysis of experimental data. Survey of transducers and measurement methods for a broad range of phenomena relevant to biomechanical engineering applications. Oral and written communication of experimental results and analyses. (Laboratory 3 hours).

- **ME 3060 - Heat Transfer I**

(3)

Prerequisites: CE/ME 3030 or ME 3261 with a minimum C grade, MATH 2150. Fundamental principles of heat transfer; conduction, convection, and radiation; applications.

- **ME 3100 - Mechanical Engineering Writing Laboratory**

(1)

Prerequisites: UNIV 4010, and ENGR 1500. Technical and laboratory report writing, oral and written communication, introduction to information technology. Technical report writing. Laboratory 3 hours.

- **ME 3120 - Strength of Materials Laboratory I**

**(also listed as CE 3120)**

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(1)

Prerequisite: CE/ME 2050. (may be taken concurrently). Tests of engineering materials in tension, compression,



bending, and torsion; verification by experiment of basic theories learned in strength of materials. Laboratory 3 hours.

- **ME 3130 - Fluid Mechanics Laboratory I**

**(also listed as CE 3130)**

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(1)

Prerequisite: CE/ME 3030. Experiments on fluid properties, fluid statics, conservation of mass, energy, and momentum, and fluid resistance. Laboratory 3 hours.

- **ME 3140 - Machine Design Laboratory**

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(1)

Prerequisites: ME 3230. Experiments on the aspects of machine design: statistical nature, theories of failure and design for strength and design of machine elements. Lab 3 hours.

- **ME 3150 - Thermal Systems Laboratory I**

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(1)

Prerequisites: ME 3060 (Heat Transfer), 3261 Thermodynamics I. Experiments in heat transfer and thermodynamics; thermophysical properties of fluids; analysis, operation, and performance testing of thermal energy conversion systems. Laboratory 3 hours.

- **ME 3200 - Dynamics I**

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(3)

Prerequisites: CE/ME 201 2010 (Statics) with a minimum C grade. Kinematics and kinetics of rigid bodies; work, kinetic energy, impulse, momentum in two and three dimensions; applications to space mechanics.

- **ME 3210 - Kinematics of Mechanisms**

---

(3)

Prerequisites: CE/ME 3200. Transmission of motion; theory of mechanisms; linkages; gears; cams; belts and chains.

- **ME 3230 - Machine Design I**

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(3)

CE/ME 2050 Strength of Materials, ME 2070 Materials Science and Engineering, and Math 2130 Calculus III. Application of principles of mechanics, properties of materials, and fabrication processes to design of simple machines and structural elements.

- **ME 3261 - Thermodynamics I**

---

(3)

Prerequisites: MATH 2120 and PHYS 2200 both with a minimum C grade. Concepts of equilibrium and temperature; first and second laws of thermodynamics. Properties of pure substances; ideal gases; application of thermodynamic principles to closed and open systems.

- **ME 3262 - Thermodynamics II**

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(3)

Prerequisite: ME 3261. Application of thermodynamic principles; steam generators, engines and turbines; combustion, vapor cycles; refrigeration; internal combustion engines.

- **ME 3270 - Manufacturing Processes**

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(3)

Prerequisites: ME 2070, ME 2050. Manufacturing properties of metals, alloys, and nonmetallic materials; solidification processes; material forming; material removal; joining processes; unconventional processing; numerical control; and automated processes.

- **ME 3540 - Special Topics Course for Juniors in Mechanical Engineering**

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(4)

Prerequisites: Junior Standing in Mechanical Engineering enrollment subject to approval of instructor in charge. Group Study of selected topics not currently offered as technical electives. Study groups may be organized in mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 3800 - Numerical Methods for Engineers II**

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(2)

Prerequisites: ME 2800, MATH 2150. Applied Numerical Methods for Engineers with computer applications. Laboratory 6 hours.

- **ME 3801 - Introduction to Biomedical Engineering**

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(3)

Prerequisites: MATH 2120, PHYS 2200, BIOL 2020. Introduction to the field of biomedical engineering. Covers fundamental knowledge on various subfields of biomedical engineering, including biomechanics, rehabilitation engineering, biomedical devices, biosignal processing, and responsible conduct in biomedical research. Graded ABCDF.

- **ME 3980 - Cooperative Education**

---

(1- 3)

Prerequisites: Approval of student adviser and department chair. Integration of mechanical engineering work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. Graded CR/NC

- **ME 4020 - Advanced Mechanics of Materials**

---

(3)

Prerequisites: ME 3230, MATH 2150. Basic concepts; unsymmetrical beam bending, shear flow, energy methods; the finite element method; theories of failure; introduction to theory of elasticity, plane elastostatic problems; torsion of prismatic cylinders.

- **ME 4030 - Aerodynamics**

---

(3)

Prerequisites: MATH 2130, CE/ME 3030. Air-foil characteristics; transonic, supersonic, and viscous effects on lift and drag; power considerations, airplane performances, introduction to airplane and missile stability and control.

- **ME 4040 - Compressible Aerodynamics**

---

(3)

Prerequisites: ME 3030, ME 3261, ME 3060. One-dimensional frictionless flow; flow with friction and heat transfer; normal and oblique shock relations; isentropic waves; airfoil characterization; nozzle flow and design; experimental techniques. Graded ABC/NC.

- **ME 4060 - Heat Transfer II**

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(3)

Prerequisites: ME 3030, ME 3060. Numerical methods in conduction; theory and applications of convection; thermal radiation, condensing and boiling heat transfer; mass transfer special topics.

- **ME 4070 - Design of Thermal Systems**

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(3)

Prerequisites: ME 3060, ME 3261. Design in engineering practice; system simulation and optimization; economic, environmental, other constraints; practical aspects of equipment selection; thermal design literature.

- **ME 4080 - Fluid Mechanics II**

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(3)

Prerequisites: ME 3030 (Fluid Mechanics I), MATH 2130. Compressible and incompressible fluid dynamics; continuity, momentum, and energy equations for viscous fluids; circulation and vorticity, Navier-Stokes equation, boundary layer theory, turbulence, two-dimensional flow, three-dimensional flow.

- **ME 4090 - Mechanical Engineering Analysis**

---

(3)

Prerequisites: MATH 2150, and senior standing. Setup of vibration, heat transfer, fluid flow, and other mechanical engineering systems as ordinary and partial differential equations; analogies between various physical systems. Classical, transform, numerical, and computer-aided methods of solution.

- **ME 4100 - Control of Mechanical Systems**

---

(3)

Prerequisites: MATH 2150, ME 3060, PHYS 2200. Mathematical models of dynamic systems, fundamentals of feedback control, basic control actions and devices, applications to mechanical systems.

- **ME 4110 - Vibrational Analysis I**

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(3)

Prerequisites: CE/ME 3200, MATH 2150. Analysis of free and forced vibrations with and without damping, systems with several degrees of freedom, vibration isolation, mechanical transients, torsional vibrations, natural frequency computation techniques, finite element analysis software.

- **ME 4130 - Fluid Mechanics Laboratory**

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(1)

Prerequisite: ME 3130 or CE 3140; prerequisite or corequisite: CE 3870 or ME 4080. Experiments on subsonic and supersonic flow, free surface flow, pumps, turbines, fans, and unsteady flow.

- **ME 4140 - Machine Design II**

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(3)

Prerequisite: ME 3230. Design of unit assemblies and machines; materials, safety, lubrication, and construction.

- **ME 4150 - Air Conditioning**

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(3)

Prerequisites: ME 3060, ME 3262. Psychometric properties of air, heat loads, air conditioning and heating equipment, and air distribution.

- **ME 4160 - Energy Systems**

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(3)

Prerequisite: ME 3261. Unconventional energy conversion systems, energy storage, thermoelectric power and refrigeration, absorption refrigeration and cryogenics.

- **ME 4180 - Renewable Energy and Sustainability**

---

(3)

Prerequisites: CHEM 1010, ME 3261. Global sustainability and the need for renewable energy; energy conversion concepts; latest power generation technologies; political, economic, and ethical complications associated with renewable energy technologies.

- **ME 4190 - Computer Aided Mechanical Engineering**

---

(3)

ME 2800 (Numerical Methods for Engineers), ME 3030 (Fluid Mechanics I), ME 3060 (Heat Transfer I), ME 3230 (Machine Design I), ME 3261 (Thermodynamics I). Applications of modern engineering tools in computer-aided design, finite element analysis, computational fluid dynamics and control simulations. Problems in mechanics, heat transfer, fluid dynamics, and control, etc. are covered.

- **ME 4210 - Dynamics of Mechanisms**

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(3)

Prerequisite: CE/ME 3200. Application of principles of statics, kinematics, and dynamics to analysis and design of mechanisms with rotating or reciprocating masses.

- **ME 4220 - Optimization of Mechanical Engineering Systems**

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(3)

Prerequisites: MATH 2150, ME 3060, PHYS 2200. Design considerations of mechanical engineering systems; optimization techniques; application of existing computer programs and analytical methods to optimization of mechanical engineering systems.

- **ME 4230 - Finite Element Analysis**

---

(3)

Prerequisites: CE/ME 2120 (Matrix Algebra for Engineers), ME 2800 (Numerical Methods for Engineers), MATH 2150 (Differential Equations), Corequisites: ME 3060 (Heat Transfer I), ME 3230 (Machine Design I). Derivation of element stiffness matrices for spring, bar, beam, and constant-strain triangle elements, from energy principles. Application to trusses and frames. Steady-state heat transfer. Use of finite element method software.

- **ME 4280 - Automation and Computer-Aided Manufacturing**

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(3)

Prerequisite: ME 3270. Automation of manufacturing processes, numerical control, computer-aided manufacturing, group technology, flexible manufacturing, applications of robots in industry.

- **ME 4300 - Properties and Selection of Engineering Materials**

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(3)

Prerequisites: ME 2070, ME 3270. Production, strengthening, alloying and thermal treatment of metals. Types, properties of polymers, ceramics and composites. Semiconductor materials and devices. Material selection and protection against deterioration.

- **ME 4310 - Material Laboratory**

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(1)

Preparation of metallic samples and study of their internal structure by microscopic techniques. Mechanical testing of non-metallic materials: plastics, ceramics and composites.

**CI-D ENGR 140L:**

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- **ME 4500 - Biomechanics**

---

(3)

Prerequisites: ME 2050, ME 3200. Application of mechanical principles on living things, statics and dynamics of human activities, study of biomechanical mechanisms and structures, and mechanics of materials and tissues.

- **ME 4510 - Biomaterials**

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(3)

Prerequisites: CHEM 1040, ME 2070, ME 2050. Materials for biomedical applications, their chemical structures, physical and mechanical properties and processing, bio-reaction with biomaterials, bio-integration, implantation, inflammation, immune response, thrombosis, and calcification.

- **ME 4520 - Impact Biomechanics**

---

(3)

Prerequisites: ME 2050, ME 3200. Application of mechanical engineering principles to the study of biomechanical response of the body to impacts and human tissue tolerance. Use of engineering design principles in injury prevention.

- **ME 4540 - Special Topics in Mechanical Engineering**

---

(1-3)

Prerequisites: Senior standing in mechanical engineering; enrollment subject to approval of instructor in charge. Group study of selected topics not currently offered as technical electives; study groups may be organized in advanced mechanical engineering subjects upon approval of instructor. May be repeated for credit.

- **ME 4590 - Rehabilitation Design and Internship**

---

(3)

Prerequisite: ME3200. Corequisites: ME 3210 or 4201. Introduction to Rehabilitation & Biomedical Engineering utilizing cutting-edge analysis and measurement tools to apply students' skills to maximize independence and enhance activities of people with disabilities. This course requires Service-Learning.

- **ME 4810 - Introduction to Robotics**

---

**(also listed as EE 4810)**

(3)

Prerequisite: EE 3600 or ME 4100. General considerations of robotic manipulator; spatial description, homogeneous transformations; manipulator kinematics; inverse manipulator kinematics; motion trajectories; static forces.

- **ME 4971 - Mechanical Engineering Senior Project**

---

(3)

Prerequisites: Completion of blocks A and B4, an additional course from block B, and at least one course each from blocks C and D, completion of all freshman, sophomore, and junior level courses in the mechanical engineering curriculum and/or consent of the instructor. Study of engineering design processes; understand engineering solutions and profession in broader context. ME 4971 includes case studies to discuss the impact of design constraints. Must be taken in sequence starting with ME 4972. Laboratory 6 hours.

**Meets UD (wi) and (cl) requirements**

- **ME 4972 - Mechanical Engineering Senior Project**

---

(3)

Prerequisite: ME 4971; Study of engineering design processes; develop a broader understanding of engineering solutions as well as professional ethics. ME 4972 includes the selection and completion of a faculty-supervised project resulting in a formal report and oral presentation. Lecture 1 hour, Laboratory 2 hours.

- **ME 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with the sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated for credit.

### **Mechanical Engineering (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000 level courses*

- **ME 5010 - Advanced Mechanics of Particles**

---

(3)

Prerequisite: ME 4210. Analytical approach to kinematics and dynamics of particles in three-dimensional space.

- **ME 5030 - Design of Mechanical Systems and Products**

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(3)

Prerequisite: ME 4300. Principles of design; value criteria; manufacturing and human factors; computer-aided simulation and analysis; synthesis of design.

- **ME 5040 - Thermal Radiation**

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(3)

Prerequisite: ME 4060. Thermodynamics and physics of thermal radiation and its interactions with matter; formulation and solution of radiative transfer equations for surfaces and enclosures by means of exact, approximate, and numerical methods; applications to selected topics.

- **ME 5050 - Heat Conduction**

---

(3)

Prerequisite: ME 4060. Fundamentals of heat conduction, solution of steady and unsteady state heat conduction problems by means of exact, approximate, and numerical methods; applications to selected topics.

- **ME 5060 - Heat Convection**

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(3)

Prerequisite: ME 4060 or 4080. Development of equations describing fluid motion and heat convection. Analytical and experimental results for free and forced convection and for changes in phase.

- **ME 5080 - Compressible Fluids**

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(3)

Prerequisite: ME 4080. One-dimensional gas dynamics; shock waves in supersonic flow; flow in ducts and nozzles; applications to high-speed aerodynamics; multidimensional and unsteady frictionless flow; solution by small perturbation theory and method of characteristics.

- **ME 5110 - Vibrational Analysis II**

---

(3)

Prerequisite: ME 4110. Analysis of multidegree of freedom systems, continuous systems, random vibrations, finite element software.

- **ME 5130 - Advanced Structure of Materials**

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(3)

Prerequisite: ME 4300 or Phys 4330. Advanced topics related to crystalline structure of materials and defects, crystallography, symmetry, and theories related to experimental techniques including XRD and EDS.

- **ME 5140 - Mechanical Behavior of Materials**

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(3)

Prerequisite: ME 4020 or ME 4140. Introduction to continuum mechanics, stress-strain relationship, elasticity, plasticity, crystalline imperfections, dislocations, creep, fatigue, fracture mechanics, failure analysis, design against creep and fatigue, effects of microstructure on mechanical behavior of materials.

- **ME 5210 - Dynamic Systems Analysis**

---

(3)

Prerequisite: ME 4090 or 4100. Dynamic behavior of physical systems; input-output and state space representation of linear continuous-time and discrete-time systems; controllability, observability, and stability of linear systems; examples of mechanical, thermal, fluid, and electrical systems.

- **ME 5220 - Optimal Control of Mechanical Systems**

---

(3)

Prerequisite: ME 4100 or 4220. State space representation of continuous-time and discrete-time dynamic systems, problem statement of optimal control and performance index, maximum principle, design of linear optimal control systems, mechanical system examples.

- **ME 5250 - Computational Fluid Dynamics**

---

(3)

Prerequisite: ME 4060 or ME 4080. Use of computational fluid dynamics for the study of fluid flow, heat transfer, and



mass transfer. Transfer mechanisms include advection, convection, and diffusion. Sample applications include mass flow through piping systems and over objects, heat exchangers, evaporators, and boilers.

- **ME 5280 - Metalforming Science and Applications**

---

(3)

Prerequisite: ME 4140. Nature and purpose of metalworking theory, determination of working loads, drawing and rolling of flat slabs and strips, deep drawing, extrusion, forging, punching and piercing, friction and lubrication in metalworking.

- **ME 5290 - Machining Science and Applications**

---

(3)

Prerequisite: ME 4140. Deformation of materials during machining; mechanics of orthogonal cutting; cutting fluids; tool wear; tool life and machinability; vibrations in cutting; practical machining operations; and modern machining processes.

- **ME 5300 - Advanced Manufacturing Processes**

---

(3)

Prerequisite: ME 3270 or ME 4300. Novel manufacturing processes, various additive Manufacturing and 3-d printing technologies, chemical and physical vapor deposition, plasma technology, casting, forging and casting of parts, powder metallurgy, metal injection molding, joining and fastening processes, surface texture, treatments and coatings.

- **ME 5310 - Processing of and Design with Modern Engineering Materials**

---

(3)

Prerequisite: ME 4300. Manufacturing of ceramics, glasses and composites. Design using composites. Processing of polymers semiconductors and superconductors. Rapid prototyping. Fabrication of printed wire boards. Introduction to microelectronic devices, microelectromechanical systems (MEMS) and nano-technology.

- **ME 5540 - Special Graduate Topics in Mechanical Engineering**

---

(1-4)

Prerequisites: As needed for specific topic. Current topics of interest to graduate students in Mechanical Engineering, as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **ME 5590 - Advanced Rehabilitation Design and Internship**

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(3)

Prerequisite: ME4590. Advanced multi-disciplinary design analysis and synthesis to analyze, create and test solutions to maximize independence and enhance activities of people with disabilities. This course requires Service-Learning.

- **ME 5951 - Mechanical Engineering Graduate Design**

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(3)

Prerequisite: Graduate standing. First course in a two-course sequence, providing a major design experience. Completion of a faculty-supervised project addressing typical problems encountered in engineering practice. Deliverables are formal report and oral presentation. Lecture 2 hours, laboratory 6 hours.

- **ME 5952 - Mechanical Engineering Graduate Design**

---

(3)

Prerequisites: ME 5951. Second course in a two-course sequence, providing a major design experience. Completion of a faculty-supervised project addressing typical problems encountered in engineering practice. Deliverables are formal report and oral presentation. Lecture 2 hours, laboratory 6 hours.

- **ME 5960 - Comprehensive Examination**

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(0)

Permission needed by department. Students who select the comprehensive examination (ME 5960) should expect to take it the quarter they complete all course work on their program, and must comply with college and department requirements.

- **ME 5970 - Graduate Research**

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(1-4)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit to maximum of 5 units. Graded CR/ NC.

- **ME 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor, and departmental approval. Independent, directed study of advanced topics in the field, regular conferences with the sponsor. May be repeated for credit.

- **ME 5990 - Thesis or Project**

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(1-6)

Prerequisites: Advancement to candidacy, instructor consent to act as a sponsor, college approval of the topic prior to registration. Independent research resulting in a thesis. Must be repeated to maximum of 4 units. Graded CR/ NC.

- **ME 9000 - Thesis Research**

---

(0)

Prerequisite: Courses in the 9000 series (UNIV 9000) are open only to graduate students. Previously enrolled in all allowable research units (5970) and are not enrolled in any other credit-bearing courses or thesis or project units (5990), but will use University facilities or consult with faculty.

### **Microbiology (Undergraduate)**

- **MICR 1010 - Introduction to Microbiology**

---

(3)

Introductory course in microbiology designed for non-majors; content addresses the impact of microorganism on the human experience and the biosphere; laboratory application of selected procedures. No credit if taken after any other college microbiology course. Lecture 2 hours, laboratory 3 hours. 100% online availability for some lecture sections.

## **GE B2**

- **MICR 2010 - Microbiology for Health Related Sciences**

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(3)

Prerequisites: BIOL 1200 or BIOL 2010 and BIOL 2010 with a grade of C or higher; CHEM 1100 or CHEM 1010 with a grade of C or higher. Basic function and structure of microorganisms; host-parasite relationships, infectious diseases, immunology and serology, epidemiology, antimicrobial agents, and chemotherapy. Lecture 4 hours.

- **MICR 2020 - Microbiology Laboratory for Health Related Sciences**

---

(1)

Prerequisite: BIOL 1200 or BIOL 2020; Corequisite: MICR 2010. Laboratory methods used in studying microorganisms; aseptic techniques, environmental influences on microorganisms, microbial interrelationships; water microbiology and sanitation; immunology and infectious disease diagnosis. Laboratory 6 hours.

- **MICR 3100 - General Microbiology**

**(also listed as BIOL 3100)**

---

(4)

Prerequisites: BIOL 1200; CHEM1110. Fundamental biological principles of microbes. Introduction to structure, function, growth, nutrition, genetics, microbial metabolism and diversity, and environmental, industrial, and medical aspects of microbiology. Lecture 3 hours: laboratory 3 hours.

- **MICR 3300 - Microbial Genetics**

---

(3)

Prerequisite: Grade of C or higher in MICR 3100 or BIOL 3100 or instructor consent. Principles of microbial genetics with emphasis on genetic exchange, genetic manipulation, and applications with environmentally, industrially, and medically significant organisms. Lecture 2 hours and laboratory 3 hours.

- **MICR 3500 - Bacterial Physiology**

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(3)

Prerequisites: MICR 3300; CHEM 3200 . Bacterial physiology with emphasis on biochemical events related to cellular differentiation and basic bacterial biochemical pathways. Lecture 2 hours, laboratory 3 hours.

- **MICR 3700 - Medical Microbiology**

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(4)

Prerequisite: MICR 3100/BIOL 3100 with grade of C or higher, or instructor consent. Host-pathogen interactions; microbiology and pathophysiology of infectious diseases with an emphasis on bacterial infections; diagnostic procedures

for identification of major human pathogens including microscopy, isolation, culture, and biochemical assays. Lecture 3 hours, laboratory 3 hours.

- **MICR 3900 - Applied and Environmental Microbiology**

---

(3)

Prerequisites: Grade of C or higher in MICR 3100 / BIOL 3100, or instructor consent. Interactions of microorganisms with their environment and the application of microorganisms in food and biotech industries, agriculture, and bioremediation. Emphasis on microbial diversity, distribution and microbial function within ecosystems. Lecture 2 hours, laboratory 3 hours including a required field trip.

- **MICR 3960 - Honors Thesis in Microbiology**

---

(1-3)

Prerequisites: Upper division standing, 27 units in the major, satisfactory completion of Block A, and admission to the Microbiology Honors program. Independent research in microbiology culminating in a written thesis, seminar presentation, and oral defense. Must be repeated until 5 units have been completed, after which no additional units may be taken. Graded CR/NC.

- **MICR 3980 - Cooperative Education**

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(see UNIV 3980)

(1-3)

Prerequisite: Courses appropriate to the work experience related to microbiology; Approval by Cooperative Education coordinator.

- **MICR 4100 - General Virology**

---

(3)

Prerequisites: BIOL 3400 and MICR 3100 / BIOL 3100 or MICR 3300. Basic principles of virology; emphasizes properties, classification, multiplication, genetics, and viral-host interactions including the pathophysiology of viral infections. Lecture 3 hours.

- **MICR 4200 - Emerging and Re-Emerging Infectious Diseases**

---

(3)

Prerequisites: BIOL 1200 or MICR 2010 and MICR 2020 or MICR 3100 / BIOL 3100 or instructor consent. Microbiology and pathogenesis of infectious diseases in today's news, forces driving their appearance, and tools for their recognition, identification and control. Emphasis on primary literature and group discussions. Lecture 3 hours.

- **MICR 4220 - Bioterrorism and Biosecurity**

---

(3)

Prerequisite: MICR 3100 / BIOL 3100 with grade of C or higher or instructor consent. Comprehensive description of various aspects of biological security, including biology and pathogenesis of microbial agents with bioterrorism potential, their detection and counter-measures, and regulations of their possession, transportation and use in research. Lecture 3 hours.



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### Microbiology (Undergraduate)

- **MICR 4300 - Hematology**

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(3)  
Prerequisites: MICR 3700; Corequisite: CHEM 4310. Normal hematopoiesis and hemostasis and how defects in the normal processes affect the blood, anemias, leukemias, coagulation, and other hematologic or nonhematologic disorders. Lecture 2 hours, laboratory 3 hours.
- **MICR 4400 - Fungal Pathogenesis**

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(3)  
Prerequisites: MICR0 3300 or BIOL 3400 or consent of instructor. Molecular principles of microbial pathogenesis with a focus on pathogenic fungi that infect humans. Emphasis on primary literature, student presentations and group discussions. Lecture 3 hours.
- **MICR 4540 - Special Topics in Microbiology**

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(1-3)  
Prerequisites: Upper division standing, others as needed for specific topics. Topics of current interest in microbiology, as announced in Schedule of Classes. May be repeated to maximum of 6 units.
- **MICR 4541 - Activities in Special Topics in Microbiology**

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(1-2)

Prerequisites: Upper division standing, others as needed or specific topics. Corequisite: MICR 4540. Activities related to topics of current interest in microbiology, as announced in Schedule of Classes. MICR 454L and 454P may be repeated to a maximum of 6 units total.

- **MICR 4600 - Theoretical and Applied Immunology**

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(4)

Prerequisites MICR/BIOL 3100 or MICR 2010/2020, and CHEM 2200 and CHEM 2201, each with a grade C or higher, or instructor consent. Concepts of innate and adaptive immune responses, failures of the immune system, and clinical applications of immunology in diagnosis, prophylaxis, and therapy. Emphasis on current methodology and scientific data dissemination. Lecture 3 hours, laboratory 3 hours.

- **MICR 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Consent of full-time faculty member in consultation with department chair; grade point average of 2.5 or higher. Project selected in conference with faculty sponsor before registration, progress meetings held regularly, and a final report submitted. May be repeated for credit. Graded CR/NC.

#### **Microbiology (Graduate)**

- **MICR 5100 - Advanced Studies - Hematology**

---

(4)

Co-requisite Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical Laboratory Scientist Training Program. Students will be introduced to phlebotomy, and engage in advanced study of normal and abnormal hematologic conditions, normal hemostasis, and disorders of hemostasis.

- **MICR 5200 - Advanced Studies - Transfusion**

---

(3)

Co-requisite: Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical Laboratory Scientist Training Program. Students will be engaged in advanced study in transfusion services, molecular diagnostics, and management issues in the clinical laboratory.

- **MICR 5300 - Advanced Studies - Clinical Chemistry**

---

(6)

Co-requisite: Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical Laboratory Scientist Training Program. Students will be engaged in advanced study of physiologic and biochemical processes present in normal and disease states.

- **MICR 5400 - Advanced Studies - Medical Microbiology**

---

(6)

Co-requisite: Concurrent enrollment in the Post-Baccalaureate California State University Los Angeles Clinical

Laboratory Scientist Training Program. Students will be engaged in the advanced study of viruses, bacteria, fungi, and parasites of medical importance.

### Modern Languages (Undergraduate)

- **ML 1010 - Introduction to Higher Education for MLL Majors**

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(3)

Orientation to skills, resources, and strategies leading to academic, professional, and cultural success in the field of Modern Languages and Literatures and beyond. Must be taken before beginning courses in the program.

**IHE, CL and Block E**

- **ML 1054 - Special Topics in MLL 1: Less Commonly Taught Languages**

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(4)

Introduction to the study of a language other than English. Language will vary. May be repeated as language changes.

**GE C2**

- **ML 1154 - Special Topics in MLL 2: Less Commonly Taught Languages**

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(4)

Prerequisites: ML 1054 in the same language. Further study of a language other than English. Language will vary. May be repeated as language changes.

**GE C2**

- **ML 1540 - Special Topics in (a) Modern Language**

---

(1-6)

Topics of special interest to students of modern language, as announced in Schedule of Classes.

- **ML 1800 - Chinese Written Symbols in Asian and Asian American Communities**

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**(also listed as AAAS 1800)**

(3)

Development of Chinese characters, similarity and dissimilarity in their usage among Asian countries, and their impact on Asian's and Asian American's cultural identities.

- **ML 3000 - Language Diversity in the U.S.**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of the nature and socio-cultural impact of language diversity in the U.S.

**GE UD D (d)**

- **ML 3003 - Contemporary Spain: Culture and Society**

---

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Synthesis of the cultural characteristics of contemporary Spain in the 20th and 21st centuries. Overview of the people, events, cultural and political issues that have shaped the country since the beginning of the 20th century to present, including conceptions of gender, ethnicity, and race. No knowledge of Spanish required. Class taught in English.

**UD D (d)**

- **ML 3009 - Mexico City in Contemporary Mexican Cinema**

**Cross-listed as CHS 3009**

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(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This class analyzes how Mexican filmmakers have used Mexico City as a vehicle for exploring such issues as gender roles, social imaginaries, political and police corruption, and ethnic and social identities.

**GE C1 Diversity Requirement**

- **ML 3123 - World Popular Fiction**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of works mystery, detective fiction, horror, science fiction, adventure, and fantasy from around the world.

**UD C2 (d)**

- **ML 3222 - Evolution of Language**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A survey of the main theories in the origin and evolution of human language faculty and languages. Relevant findings from linguistics, paleontology, evolutionary theories, complexity theory and anthropology are discussed.

- **ML 3300 - Cross-Cultural Issues in International Film**

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Study of cross-cultural issues in international film from various countries. The class will focus on making connections between movies and the historical and societal concerns of their corresponding world regions. GE Block C1.

**UD C**

- **ML 3540 - Special Topics in (a) Modern Language**

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(1-3)

Prerequisites: As needed for specific topic. Topics of special interest to students in modern languages as announced in Schedule of Classes.



- **ML 3820 - Maturity and Aging in World Literatures and Film**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Critical examination and comparison of the themes of maturity, aging and human development in world literatures and film.

**UD Block C (d)**

- **ML 3990 - Directed Reading**

---

(3)

Prerequisite: Consent of adviser. Readings in a modern language about topics of interest to student under direction of faculty member; regular oral and/or written reports in the language.

- **ML 4000 - Senior Thesis in Modern Languages and Literatures**

---

(3)

Research, writing, revising, and presentation of senior/capstone paper in major.

**WI**

- **ML 4100 - Chicana and Mexican Women Writers**

**(Also listed as CHS 4130 and WOMN 4100)**

---

(3)

Prerequisite: SPAN 3001 or instructor's permission. Reading knowledge of Spanish, class discussions and instruction in English. Comparative study of contemporary Mexican and Chicana female writers with a focus on gender and sexuality issues, and their particular historical and cultural context.

- **ML 4960 - Instructional Practicum**

---

(3)

Prerequisites: SPAN 4000 and approval by chair. Required of all teaching associates; experience in the teaching of a second language at the university level. Weekly progress meetings required.

- **ML 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of Instructor. Reading in a modern language about topics of interest to student under direction of faculty member; regular oral and/or written reports in the language. May be repeated to a maximum of 8 units.

**Modern Languages (Graduate)**

- **ML 9010 - Modern Language Reading Exam**

---

(1)

Required for student who must demonstrate competence in a foreign language as part of a degree program. Students must enroll each quarter in which they expect to take the examination. CR/NC

## Music (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 4000

- **MUS 1000 - Concert/Recital Attendance**

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(0)

Attendance at department recitals and concerts. Required attendance at a minimum of seven recitals per semester. May be repeated a maximum of 8 times. Graded CR/NC.

- **MUS 1010 - Supplemental Music Theory Practice**

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(1)

Prerequisites: Permission of the instructor. Supplemental instruction in basic music theory concepts covered in MUS 1011 or 1012, including diatonic harmony, intervals, triads, seventh chords, diatonic analysis, and basic voice leading. Activity 2 hours. May be repeated to maximum of 2 units. Graded CR/NC

- **MUS 1011 - Music Theory I**

---

(2)

Corequisites: MUS 1021, MUS 1031. Basic diatonic harmony, including intervals, triads, seventh chords, diatonic analysis, non-chord tones, and basic voice leading. Meets 2 hours weekly.

- **MUS 1012 - Music Theory II**

---

(2)

Prerequisites: MUS 1011. Corequisites: MUS 1022, 1032. Continuation of diatonic analysis, chromaticism including secondary dominants, Neapolitan chords, and Augmented 6th chords. Modulations to closely related keys, recognition of basic musical structures. Meets 2 hours weekly.

- **MUS 1021 - Musicianship I**

---

(1)

Co-requisites: MUS 1011, 1031. Basic musicianship skills, including identification of intervals, chords, function, melodic dictation, rhythm reading and rhythm dictation in simple and compound meters. Sight-singing of diatonic melodies. Activity 2 hours.

- **MUS 1022 - Musicianship II**

---

(1)

Prerequisites: MUS 1021. Corequisites: MUS 1012, 1032. Rhythm reading and dictation in simple and compound meters with syncopation and hemiola; melodic and harmonic dictation with some chromaticism and modulations. Sight-singing of diatonic melodies with some chromaticism. Activity 2 hours.

## MUS 1031 - Class Piano Instruction I

---

(1)

Prerequisite: Ability to read music. Level 1 class instruction in piano, including scales, chords, sight reading, harmonization, improvisation, transposition, and repertoire. Activity 2 hours.

- **MUS 1032 - Class Piano Instruction II**

---

(1)

Prerequisite: MUS 1031 or equivalent. Level 2 class instruction in piano, including scales, chords, sight reading, harmonization, improvisation, transposition, and repertoire. Activity 2 hours.

- **MUS 1151 - Strings**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 4 units.

- **MUS 1152 - Strings**

---

(2)

Prerequisite: For students in BM degree program. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 4 units.

- **MUS 1161 - Woodwinds**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 4 units.

- **MUS 1162 - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. Maybe repeated to maximum of 4 units.

- **MUS 1171 - Brass**

---

(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 4 units.

- **MUS 1172 - Brass**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 4 units.

- **MUS 1181 - Percussion**

---

(1)

Prerequisite Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 4 units.

- **MUS 1182 - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 4 units.

- **MUS 1191 - Applied Music: Commercial Music**

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(1)

Prerequisite: Students admitted by audition only. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 1192 - Applied Music: Commercial Music**

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(2)

Prerequisite: For students in the BM degree program. Students admitted by audition only. Private instruction in the use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 1351 - Voice**

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(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 4 units.

- **MUS 1352 - Voice**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 4 units.

- **MUS 1451 - Piano**

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(1)

Prerequisite: Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for

students of piano. May be repeated to a maximum of 4 units.

- **MUS 1452 - Piano**

---

(2)

Prerequisite: For students in BM degree programs. Students admitted by audition only. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 4 units.

- **MUS 1500 - Music in World Culture**

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(3)

This course examines the music of many different world cultures in terms of function, style, genre, instruments, performers, and individual works.

**GE C1**

- **MUS 1510 - Classical Music in Western Culture**

---

(3)

Introduces the student to the major styles, genres, and forms of Western classical music within the context of the many cultures in which it developed.

**GE Block C1**

- **MUS 1520 - The Roots of Rock and Pop Music in American Culture**

---

(3)

This class traces the historical significance of popular music in the United States with an additional emphasis on its place in contemporary society, culture, and diverse communities.

**GE C1**

- **MUS 1530 - Opera as Culture**

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(3)

Introduces the student to the diverse ways in which opera mirrors the culture from which it springs.

**GE C1**

- **MUS 1560 - Jazz in American Culture**

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(4)

Study of different eras and styles of Jazz in the United States and the social forces that shape it.

**GE LD C1**

- **MUS 1570 - Musical Expressions of the Latino Communities in the USA**

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(3)

Study of Latino musical expressions in the United States and the social forces that shape them.

**GE LD C1**

- **MUS 1600 - Music Fundamentals**

---

(3)

Appreciation of the elements of music common to the major world cultures, including music literacy with emphases on harmony, melody, rhythm, timbre, texture, music reading and basic theory. Meets 3 hours weekly.

- **MUS 1880 - Introduction to Music: Music Technology I**

---

(2)

Prerequisite: Music major or minor standing. Introductory class in computer usage, computer sequencing, computer notation, MIDI and synthesizer basics, and other music software and hardware. Lecture 1 hour, Activity 2 hours.

- **MUS 1910 - Introduction to Music in the Schools**

---

(1)

Prerequisite: Music major or minor standing. Introduction to choral, instrumental, and general music teaching techniques. Philosophy, foundations and current approaches to music education are explored. Includes observation in area elementary and secondary schools. Activity 2 hours.

- **MUS 2011 - Music Theory III**

---

(2)

Prerequisites: 1012. Corequisites: MUS 2021, 2031. Late chromaticism, including extended harmonies, modulations to foreign keys, non-functional tertian harmony. Continued emphasis on structural and harmonic analysis; English writing component (analysis) included.

- **MUS 2012 - Music Theory IV**

---

(2)

Prerequisites: MUS 2011. Corequisites: MUS 2022, 2032. Post-tonal harmony and compositional techniques, including Impressionism, free atonality, serial techniques, Minimalism, Experimentalism, and Post-modernism. English writing component (analysis) included..

- **MUS 2021 - Musicianship III**

---

(1)

Prerequisites: MUS 1022. Corequisites: MUS 2011, 2031. Rhythm reading and dictation in simple, compound, and uneven meters; melodic and harmonic dictation with chromaticism and modulations. Sight-singing of chromatically altered and modulating melodies in various meters; sung improvisation. Activity 2 hours.

- **MUS 2022 - Musicianship IV**

---

(1)

Prerequisites: MUS 2021. Corequisites: MUS 2012, 2032. Emphasis on rhythm reading and dictation in uneven meters and with metric modulations; melodic and harmonic dictation with chromaticism and modulations. Sight-singing of chromatically altered and/or modulating melodies in various meters. Activity 2 hours.

- **MUS 2031 - Class Piano Instruction III**

---

(1)

Prerequisite: MUS 1032 or equivalent. Third semester instruction in piano, including scales, chords, sight reading, harmonization, improvisation, transposition, and repertoire. Activity 2 hours.

- **MUS 2032 - Class Piano Instruction IV**

---

(1)

Prerequisite: MUS 2031 or equivalent. Fourth semester class instruction in piano, including scales, chords, sight reading, harmonization, improvisation, transposition, and repertoire. Activity 2 hours

- **MUS 2033 - Piano Proficiency Examination**

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(0)

Required of all music majors prior to graduation. This requirement may be fulfilled by either completing the class-piano sequence through MUS 2032 or by passing MUS 2033. Graded CR/NC.

- **MUS 2151 - Strings**

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(1)

Prerequisite: MUS 1151 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 4 units.

- **MUS 2152 - Strings**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1152 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 4 units.

- **MUS 2161 - Woodwinds**

---

(1)

Prerequisite: MUS 1161 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 4 units.

- **MUS 2162 - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1162 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to maximum of 4 units.

- **MUS 2171 - Brass**

---

(1)

Prerequisite: MUS 1171 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 4 units.

- **MUS 2172 - Brass**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1171 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 4 units.

- **MUS 2181 - Percussion**

---

(1)

Prerequisite: MUS 1181 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 4 units.

- **MUS 2182 - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1182 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 4 units.

- **MUS 2191 - Applied Music: Commercial Music**

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(1)

Prerequisite: MUS 1191 or jury examination. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 2192 - Applied Music Commercial Music**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1191 or jury examination. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 2300 - Elementary Voice Instruction**

---

(2)

Primarily for students not majoring in music. Technique of voice production, study of song interpretation, emphasis upon recreational singing, some attention to elementary musicianship and remedial problems. Activity 4 hours. May be repeated to maximum of 4 units.

- **MUS 2341 - Diction for Singers I: Italian, English, Spanish**



---

(2)

Introduction to International Phonetics Alphabet: its symbols, sounds, and its application to Italian, English and Spanish language through lectures, listening, speaking, translating and transcribing song texts.

- **MUS 2342 - Diction for Singers II: German and French**

---

(2)

Prerequisite: MUS 2341. Thorough study of phonemes of German and French language via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire with open-class recital at conclusion of quarter. Lecture 1 hour, Activity 2 hours.

- **MUS 2351 - Voice**

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(1)

Prerequisite: MUS 1351 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 4 units.

- **MUS 2352 - Voice**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1352 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 4 units.

- **MUS 2451 - Piano**

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(1)

Prerequisite: MUS 1451 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 4 units.

- **MUS 2452 - Piano**

---

(2)

Prerequisite: For students in BM degree programs. MUS 1452 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 4 units.

- **MUS 2630 - Introduction to Composition**

---

(2)

Prerequisites: MUS 1012, 1022 or instructor approval. Rudimentary skill in music composition including short works for instrumental duo and accompanied voice. Introduction to recent compositional practices. May be repeated to a maximum of 4 units. Lecture 2 hours.

- **MUS 2701 - History of Western Classical Music (Medieval to Baroque)**

---

(3)

Prerequisites: MUS 1012, MUS 1022, MUS 1500. Survey of musical style in classical music from ancient Greece to the

end of the Baroque. Emphasis on understanding the function of music within its culture.

- **MUS 2702 - History of Western Classical Music (Classical to Modern)**

---

(3)

Prerequisites: MUS 1012, MUS 1022, MUS 2701. A survey of musical style in classical music from the eighteenth century to the modern day. Emphasis on understanding the function of music within its culture.

- **MUS 3000 - Career Planning and Working in the Community**

---

(2)

Prerequisite: Junior Standing in Music. Understanding the profession and the role of the artist in the community by articulating concepts of civic learning and community engagement, and identify areas of civic engagement.

**WI CL**

- **MUS 3088 - Performance as Service in the Real World I**

---

(2)

Co-requisite: MUS 3400 Junior Recital or MUS 4870 Senior Project Theories and concepts from civic engagementsociology and the music business inform this examination of the value of music in contemporary society. Students explore issues of identity, diversity, culture, and meaning while participating in community service. Each student will prepare repertoire to perform in recital and be able to offer the same repertoire in several other venues for the specific purpose of public good; with emphasis on schools, churches, health and wellness venues, and non-traditional venues. Lecture 1 hour, Activity 2 hours.

- **MUS 3121 - String Methods**

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(1)

Prerequisites: Music Major status. Development of performance proficiencies on violin, viola, cello, and double bass. Emphasis on instrument pedagogy. Activity 2 hours.

- **MUS 3122 - Woodwind Methods**

---

(1)

Prerequisites: Music Major status. Development of performance proficiencies on flute, oboe, clarinet, saxophone, and bassoon. Emphasis on instrument pedagogy. Activity 2 hours.

- **MUS 3123 - Brass Methods**

---

(1)

Prerequisites: MUS 1011, MUS 1012, MUS 1021, MUS 1022. Development of performance proficiencies on all brass instruments. Emphasis on instrument pedagogy. Activity 2 hours.

- **MUS 3124 - Percussion Methods**

---

(1)

Prerequisites: Music Major status. Development of performance proficiencies on all major concert percussion

instruments. Drum set and world percussion will be introduced. Emphasis on instrument pedagogy. Activity 2 hours.

- **MUS 3125 - Guitar Methods**

---

(1)

Prerequisites: Music Major status. Development of performance proficiencies on classical guitar. Emphasis on instrument pedagogy. Activity 2 hours.

- **MUS 3151 - Strings**

---

(1)

Prerequisite: MUS 2151 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 4 units.

- **MUS 3152 - Strings**

---

(2)

Prerequisite: For students in BM degree programs. MUS 2152 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 4 units.

- **MUS 3161 - Woodwinds**

---

(1)

Prerequisite: MUS 2161 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 4 units.

- **MUS 3162 - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. MUS 2162 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. Maybe repeated to maximum of 4 units.

- **MUS 3171 - Brass**

---

(1)

Prerequisite: MUS 2171 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 4 units.

- **MUS 3172 - Brass**

---

(2)

Prerequisite: For students in BM degree programs. MUS 2172 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 4 units.



# University Catalog

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Find whole word or phrase only.

### Music (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 4000

- **MUS 3181 - Percussion**

(1)

Prerequisite: MUS 2181 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 4 units.

- **MUS 3182 - Percussion**

(2)

Prerequisite: For students in BM degree programs. MUS 2182 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 4 units.

- **MUS 3191 - Applied Music - Commercial Music**

(1)

Prerequisite: Students admitted by audition only. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 2 units.

- **MUS 3192 - Applied Music - Commercial Music**

---

(2)

Prerequisite: For students in the BM degree program. Students admitted by audition only. Private instruction in the use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 3209 - Symphonic Band**

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(1)

Prerequisite: Instructor consent. Preparation and performance of standard and contemporary literature of the symphonic band. Meets minimum of 4 hours weekly. May be repeated to maximum of 8 units.

- **MUS 3219 - Orchestral Performance and Practice**

---

(1)

Prerequisite: Instructor consent by audition. Exploration in standard symphonic orchestral repertoire, performance practice, and audition preparation. Meets up to 4 hours per week. May be repeated to maximum of 8 units.

- **MUS 3229 - Wind Ensemble**

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(1)

Prerequisite: Instructor consent. Preparation and performance of standard and contemporary wind literature. Meets minimum of 4 hours weekly. May be repeated to maximum of 8 units.

- **MUS 3259 - Accompanying Ensemble**

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(1)

Prerequisite: Instructor consent. Preparation and public performance of standard and contemporary ensemble literature, which includes a keyboard instrument. Activity 3 hours

- **MUS 3269 - Concert Choir**

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(1)

Prerequisite: Instructor Consent Through Audition. Concert Choir is an auditioned choral ensemble that performs standard choral literature and contemporary choral works. Activity 3 hours. May be repeated to maximum of 8 units.

- **MUS 3279 - University Chorus**

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(1)

University Chorus is a large choral ensemble that performs standard choral literature and contemporary choral works. Activity 3 hours.

- **MUS 3301 - Vocal Pedagogy I**

---

(2)

Open to music majors and minors only. Principles of correct vocal production development through lecture and demonstration with laboratory experience in solo singing. Analysis by class members and instructor. Lecture 1 hours,

laboratory 2 hours.

- **MUS 3302 - Vocal Pedagogy II**

---

(2)

Prerequisite: MUS 3301. Comparative analysis of theories of vocal production as applied to the child voice, changing voice, and mature voice; study of the literature for each category.

- **MUS 3351 - Voice**

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(1)

Prerequisite: MUS 2351 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 4 units.

- **MUS 3352 - Voice**

---

(2)

Prerequisite: For students in BM degree programs. MUS 2352 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 4 units.

- **MUS 3371 - Song Literature I: French and Spanish**

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(2)

Survey of French and Spanish language song literature in all periods of music history. Emphasis on student performances of representative selections. Lecture 1 hour, Activity 2 hours.

- **MUS 3372 - Song Literature II: German, English, Italian**

---

(2)

Prerequisite: MUS 3371. Survey of German, English, and Italian song literature in all periods of music history. Emphasis on student performances of representative selections. Lecture 1 hour, Activity 2 hours.

- **MUS 3400 - BM Junior Recital**

---

(0) units)

Prerequisite: Consent of major professor. Junior level standing in applied music study. Corequisites: One of the following: MUS 3152, 3162, 3172, 3182, 3192, 3352, 3452. Performance of a 30 minute Junior Recital.

- **MUS 3451 - Piano**

---

(1)

Prerequisite: MUS 2451 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 4 units.

- **MUS 3452 - Piano**

---

(2)

Prerequisite: For students in BM degree programs. MUS2452 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 4 units.

- **MUS 3500 - Women in Music**

---

(3)

Prerequisites: Completion of Block A and B4; an additional course from Block B; one course each from Blocks C and D. The roles of women as composers, performers, conductors, theorists, and musicologists, and businesspeople in the music industry. Focus on issues of 20th and 21st century women working and creating in a broad range of musical styles, genres, and practices, particularly in the cross-contexts of feminism, race, and ethnicity.

**UD GE C;**

- **MUS 3520 - History of American Rock and Pop Music**

---

(3)

Prerequisite: MUS 2021. Development of American rock & pop from the 19th century to the present with an emphasis placed on the impact on contemporary society, culture, and diverse communities.

- **MUS 3580 - Music of the Oppressed in Latin America**

---

(3)

Prerequisite: Completion of GE Basic Subjects and at least one course each from blocks B, C, and D. Analysis of musical expressions within a social, political and historical context, that were created by oppressed groups in Latin America and Latinos in the United States.

**UD GE C; (d)**

- **MUS 3620 - Orchestration and Arranging**

---

(3)

Prerequisite: MUS 2012, MUS 2022. Study of instrumentation (clefs, ranges, transpositions, acoustical properties, strengths and limitations of the instruments of the orchestra), notation conventions, and fundamental principles of writing for instruments in combination.

- **MUS 3660 - Commercial Harmony**

---

(2)

Prerequisites: MUS 2012, MUS 2022. Theoretical foundations of commercial music styles from folk to rock to jazz, including notation, chord progressions, voice leading, melody, and rhythm. Analysis, composition, dictation, ear training and keyboard skills.

- **MUS 3671 - Jazz, Rock, and Pop Piano I**

---

(1)

Prerequisites: MUS 2032 or consent of instructor. Study of jazz, rock, and popular piano styles and idioms; pentatonic

and blues scales; playing from lead sheets and chord charts. Activity 2 hours.

- **MUS 3672 - Jazz, Rock, and Pop Piano II**

---

(1)

Prerequisites: MUS 3671 or consent of instructor. Study of jazz, rock, and popular piano styles and idioms; pentatonic and blues scales; playing from lead sheets and chord charts. Activity 2 hours.

- **MUS 3681 - Jazz Improvisation I**

---

(2)

Prerequisites: MUS 1012, MUS 1022. Basic improvisation technique, including scales, chords, simple harmonic progressions, and standard blues literature characteristic of jazz idiom. Lecture 1 hour, Activity 2 hours.

- **MUS 3682 - Jazz Improvisation II**

---

(2)

Prerequisite: MUS 3681. Continuation of development of improvisational techniques with emphasis on standard jazz literature. Lecture 1 hour, Activity 2 hours.

- **MUS 3800 - Beginning Conducting**

---

(2)

Prerequisites: MUS 2012 and MUS 2022. Discussion of the conductor's role and responsibilities; Basic study of baton techniques, audiation, score study, expressive gestures and performance practice utilizing suitable choral and instrumental literature. Lecture 1 hour, Activity 2 hours.

- **MUS 3840 - Introduction to Music Composition for Media**

---

(2)

Prerequisites: MUS 2021 and MUS 3660. Introduction to the techniques of contemporary commercial songwriting and composing music for film, television, and gaming. Lecture 1 hour, Activity 2 hours.

- **MUS 3860 - Introduction to Recording**

---

(2)

Introduction to the fundamentals of recording, including: the physics of sound, transducers, gain structure, routing and processing, effects, and the basics of mixing. History of recording technology. Lecture 1 hour, Activity 2 hours.

- **MUS 3880 - Introduction to the Business of Music**

---

(2)

Prerequisite: Upper division standing. An introduction to current music business practice, including contracts, licensing, publishing, copyrights, social media, and rights organizations.



- **MUS 3900 - Performance Techniques for the Recording Studio and the Stage**

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(2)

Prerequisite: MUS 1880. Instruction in the basic techniques needed to produce and deliver the best possible performance in the recording studio or live in concert. Lecture 1 hour, Activity 2 hours.

- **MUS 4000 - Elementary Classroom Music**

---

(2)

Investigation of the perceptual, expressive, historical and cultural components of music relevant to the elementary classroom. Lecture 1 hour, Activity 2 hours.

- **MUS 4010 - Elementary General Music Techniques**

---

(2)

Prerequisites: MUS 2012 and MUS 2022. Comparison of ideas and practices relevant to the teaching of general music in elementary grades. Observation and participation required. Service Learning Component Required.

- **MUS 4020 - World Musics**

---

(2)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Introduction to musical styles of world cultures with emphasis on theory, forms, instruments and sociological implications. Influence of world music on popular musical styles

- **MUS 4030 - Musicians' Health**

---

(2)

Maintenance of hearing, vocal, and musculoskeletal health and injury prevention within the context of practicing, performance, teaching and listening to music.

- **MUS 4071 - Instrumental Techniques I**

---

(2)

Prerequisite: Departmental Permission. Comparison of ideas and practices relevant to the teaching of instrumental music at the secondary school levels. Observation and participation in laboratory provided. Service Learning Component required. Meets 3 hours weekly.

- **MUS 4072 - Marching Band Techniques I**

---

(1)

Comparison of ideas and practices relevant to the teaching of Marching Band at the high school level. Observation and participation in laboratory provided.

- **MUS 4073 - Mariachi Techniques**

---

(1)

Ideas and practices relevant to the teaching of a Mariachi Ensemble. Includes instrument knowledge, social, historical and cultural contexts of ensembles, and performance practice.

- **MUS 4080 - Choral Techniques**

---

(2)

Prerequisite: MUS 3800. Choral Techniques is a course designed to help preparing the music education student to become an effective and successful choral music educator. This course focuses on classroom and rehearsal management, program building, planning and curriculum development, effective rehearsal techniques and strategies, choral arrangement, and repertoire selection.

- **MUS 4088 - Performance as Service in the Real World II**

---

(2)

Co-requisite: MUS 4400 BM Senior Recital Theories and concepts from civic engagement and the music business inform this examination of the value of music in contemporary society. Students explore issues of identity, diversity, culture, and meaning while participating in community service. Students prepare 50 minutes of music to perform with the intention of public good. Focus is on governmental agencies, non-governmental agencies, for profit corporations, not-for-profit corporations, entertainment venues, street performance/public art, and on-line venues.

- **MUS 4100 - Opera Performance Participation**

---

(2)

Performance and production of operatic works. Includes stage and action skills and etiquette, coaching of opera roles, performance. This course gives graduate students experience preparing and performing entire opera roles and opera scenes. May be repeated to maximum of 12 units.

- **MUS 4110 - Performance Repertoire**

---

(1)

Solo repertoire for voice, brass, winds, percussion, strings, or piano; emphasis on analysis, interpretation, and performance of representative literature. May be repeated to maximum of 8 units.

- **MUS 4151 - Strings**

---

(1)

Prerequisite: MUS 3151 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to a maximum of 4 units.

- **MUS 4152 - Strings**

---

(2)

Prerequisite: For students in BM degree programs [MUS 3152](#) or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of violin, viola, cello, bass, acoustic guitar, electric guitar, electric bass, and harp. May be repeated to maximum of 4 units.

- **MUS 4161 - Woodwinds**

---

(1)

Prerequisite: MUS 3161 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to a maximum of 4 units.

- **MUS 4162 - Woodwinds**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3162 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of flute, oboe, bassoon, clarinet, and saxophone. May be repeated to maximum of 4 units.

- **MUS 4171 - Brass**

---

(1)

Prerequisite: MUS 3171 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to a maximum of 4 units

- **MUS 4172 - Brass**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3172 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of trumpet, French horn, trombone, baritone, and tuba. May be repeated to maximum of 4 units.

- **MUS 4181 - Percussion**

---

(1)

Prerequisite: MUS 3181 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to a maximum of 4 units.

- **MUS 4182 - Percussion**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3182 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of snare drum, mallet instruments, multiple percussion, timpani, and Latin percussion. May be repeated to maximum of 4 units.

- **MUS 4191 - Applied Music - Commercial Music**

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(1)

Prerequisite: MUS 3191 or jury examination. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 2 units.

- **MUS 4192 - Applied Music - Commercial Music**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3192 or jury examination. Private instruction in the ever-evolving use of today's music technology. May be repeated to a maximum of 4 units.

- **MUS 4219 - Woodwind Ensemble**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. Meets minimum of 3 hours weekly. May be repeated to maximum of 9 units.

- **MUS 4229 - Brass Ensemble**

---

(1)

Prerequisite: Instructor consent. Prerequisite: Instructor consent. Rehearsal and performance of standard ensemble literature, including quartets, quintets, sextets, and larger works. May be repeated to maximum of 8 units.

- **MUS 4230 - Latin Percussion Ensemble**

---

(1)

Prerequisite: Instructor's consent. Rehearsal techniques and performance of Latin-American percussion music using traditional Latin American percussion instruments. Historical background and instrument maintenance will be covered. May be repeated to a maximum of twelve units.

- **MUS 4249 - Jazz Ensemble**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard Jazz orchestra literature, including original and published arrangements. Meets minimum of 3 hours weekly. May be repeated to maximum of 8 units.

- **MUS 4259 - Chamber Singers**

---

(1)

Prerequisite: Instructor consent by audition. Chamber Singers is an advanced chamber choral ensemble that performs standard choral literature and contemporary choral works. May be repeated to a maximum of 8 units.

- **MUS 4269 - Opera Ensemble**

---

(1)

Performance and production of operatic works. Includes stage and action skills and etiquette, coaching of opera roles, performance. This course gives students real world experience preparing and performing entire opera roles and opera scenes. May be repeated to a maximum of 8 units.

- **MUS 4279 - Afro-Latin Ensemble**

---

(1)

Prerequisite: Consent of instructor. Prerequisite: Consent of instructor. Rehearsal and performance of Afro-Caribbean

music including but not limited to Salsa, Timba, and Latin Jazz. May be repeated to a maximum of 8 units.

- **MUS 4289 - New Music Ensemble**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of 20th century chamber music literature with special emphasis on recent works and student compositions. Meets minimum of 3 hours weekly. May be repeated to maximum of 8 units.

- **MUS 4299 - Jazz Ensemble: Small**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of jazz literature for small ensemble (2-9 players) in a variety of combinations. May be repeated to maximum of 8 units.

- **MUS 4309 - Mariachi Ensemble**

---

(1)

Prerequisite: Consent of instructor. Rehearsal and performance of music in the Mariachi tradition with an emphasis on its historical and cultural development. May be repeated to a maximum of 8 units.

- **MUS 4319 - Pep Band**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of standard Pep Band literature, including original and published arrangements.

- **MUS 4351 - Voice**

---

(1)

Prerequisite: MUS 3351 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to a maximum of 4 units.

- **MUS 4352 - Voice**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3352 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of voice. May be repeated to maximum of 4 units.

- **MUS 4400 - BM Senior Recital**

---

(0) units)

Prerequisites: Consent of major professor. Senior level standing in applied music study. Corequisites: One of the following: MUS 4152, 4162, 4172, 4352, 4452, 4462. Performance of a 50 minute Senior Recital.

- **MUS 4410 - BA Senior Recital**

---

(0) units)

Prerequisites: Consent of major professor. Senior level standing in applied music study. Corequisites: One of the following: MUS 4151, 4161, 4171, 4351, 4451, 4461. Performance of a 20 minute Senior Recital.

- **MUS 4449 - Commercial Music Ensemble**

---

(1)

Prerequisite: Instructor consent. Rehearsal and performance of commercial songs and material. Meets a minimum of three hours weekly. May be repeated to a maximum of 8 units.

- **MUS 4451 - Piano**

---

(1)

Prerequisite: MUS 3451 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to a maximum of 4 units.

- **MUS 4452 - Piano**

---

(2)

Prerequisite: For students in BM degree programs. MUS 3452 or jury examination. Instruction in technique, repertoire, literature, and pedagogy for students of piano. May be repeated to maximum of 4 units.

- **MUS 4470 - Accompanying**

---

(1)

Prerequisite: Instructor consent. Training in performance styles and genres of different periods and combinations of performers and in the specific tasks of accompanying. Guided rehearsals and performances with emphasis on proper style, technique, and interpretation.

- **MUS 4480 - Live Concert Recording**

---

(2)

Prerequisite: MUS 3860 or equivalent experience recording and mixing music, as determined by Instructor. Introduction to the techniques of recording and mixing live music. Lecture 1 hour, Activity 2 hours.

- **MUS 4520 - History of Jazz**

---

(3)

Nature and processes of jazz with concentration on its historical background and development in the U.S., and its resultant impact on culture and music worldwide.

- **MUS 4540L - Special Topics in Music**

---

(1-3)

Prerequisites: Upper division standing: specific prerequisites subject to course content. Selected topics reflecting

specific issues, problems, and interests in music, as announced in Schedule of Classes. May be repeated to maximum of 9 units as subject matter changes.

- **MUS 4540P - Special Topics in Music**

---

(1-3)

Prerequisites: Upper division standing: specific prerequisites subject to course content. Selected topics reflecting specific issues, problems, and interests in music, as announced in Schedule of Classes. May be repeated to maximum of 9 units as subject matter changes.

- **MUS 4580 - Music of Latin America**

---

(3)

Development of understanding of and appreciation for music of Latin America; examination of representative works from folk and art music of the twenty republics.

- **MUS 4600 - Composition**

---

(2)

Prerequisites: MUS 2012 and 2022 and 3620 or instructor approval. Writing for small instrumental and/or vocal ensembles. At least 9 units must be completed in advance of the senior recital. May be repeated to a maximum of 12 units. Meets 2 hours weekly.

- **MUS 4601 - Applied Composition**

---

(2)

Prerequisites: At least two semesters of MUS 4600 and permission of instructor. Individual instruction in composition for upper division music composition majors.

- **MUS 4620 - Advanced Orchestration and Arranging**

---

(3)

Prerequisite: MUS 3620. Study of advanced techniques of writing for instruments in combination as found in the scores of 20th Century orchestral masters, including Debussy, Ravel, Stravinsky, Bartok, Boulez and Williams.

- **MUS 4630 - Counterpoint**

---

(2)

Prerequisites: Music 2012 or Instructor Approval. Structural and procedural analysis of species and tonal counterpoint, and writing short contrapuntal composition projects. Meets 3 hours weekly.

- **MUS 4640 - Musical Form**

---

(2)

Prerequisites: MUS 2012, 2022 or Instructor Approval. Co-requisites: None. Analysis of the organization structures in music.

- **MUS 4650 - Contemporary Techniques**

---

(3)

Prerequisites: MUS 2012, 2022. Study of advanced analytical and compositional techniques of music written from 1900 to present. Meets 3 times a week.

- **MUS 4661 - Jazz Arranging: Beginning**

---

(2)

Prerequisite: MUS 3682. Basic arranging techniques. Emphasis on arranging for small jazz ensembles with practical writing experience. Will cover voicings, scoring practices, calligraphy and contemporary trends within the medium.

- **MUS 4662 - Jazz Arranging: Advanced**

---

(2)

Prerequisite: MUS 4661. Advanced arranging techniques for jazz and studio orchestras, including use of extended forms, woodwind doubles and unusual meter. May be repeated to maximum of 6 units.

- **MUS 4670 - Music Composition for Media**

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(2)

Prerequisites: MUS 4620 and MUS 4880. Techniques used in composing music for media; practical writing experience. All aspects of the film & television scoring process will be covered.

- **MUS 4680 - Jazz Pedagogy**

---

(2)

Prerequisite: MUS 3682 or instructor consent. Techniques and materials for teaching jazz improvisation, jazz arranging, jazz history, and jazz ensemble.

- **MUS 4700 - History and Literature of Opera**

---

(3)

Prerequisites: MUS 2701 and 2702 or graduate standing. History and literature of opera from Baroque to present, with focus on opera as a reflection of the fundamental values of the society in which it has flourished. Discussion and analysis of representative opera texts, scores, recordings, videos, and live performance.

- **MUS 4711 - Choral Literature I**

---

(2)

Prerequisite: MUS 3800, 4800. Study of Choral literature and development of large vocal forms to 1750; discussion and analysis of representative works including masses, cantatas, and oratorios.

- **MUS 4712 - Choral Literature II**

---



(2)

Prerequisites: MUS 2701 and 2702. Study of Choral literature and development of large vocal forms after 1750; discussion and analysis of representative works including masses, cantatas, and oratorios.

- **MUS 4720 - History and Literature of Vocal Solo Music**

---

(3)

Prerequisites: MUS 2701-2702. Development of solo song from Baroque to present; discussion and analysis of representative art songs and vocal chamber music.

- **MUS 4730 - History and Literature of Symphonic Music**

---

(3)

Prerequisites: MUS 2701, 2702. Development of symphonic music from the baroque sinfonia to the present day; discussion and analysis of representative orchestral scores.

- **MUS 4740 - History and Literature of Chamber Music**

---

(3)

Prerequisites: MUS 2701 and MUS 2702. Development of instrumental chamber music from Renaissance to present; discussion and analysis of representative works.

- **MUS 4750 - History and Literature of Keyboard Music**

---

(3)

Prerequisites: MUS 2701 and MUS 2702 or graduate standing. Development of keyboard music from Renaissance to present; discussion and analysis of representative keyboard scores.

- **MUS 4770 - History and Literature of Wind Band in U.S.**

---

(3)

Prerequisite: Departmental approval. History and literature of the wind band in the United States; emphasis on the twentieth century. Analysis of both musical contributions and historical context. Includes both Written and Oral examination.

- **MUS 4790 - Graduate Theory Review**

---

(2)

Prerequisites: Graduate student standing, placement based on results of the Graduate Music Theory Placement Exam or instructor approval. Review of diatonic and chromatic harmony and voice leading, analysis of music of the Common Practice Period. Meets once per week.

- **MUS 4800 - Choral Conducting**

---

(2)

Prerequisites: MUS 3800. Study of conducting technique based on score study, audiation, gestural function, and performance practice. Students will have significant podium time to explore these principles in both the contexts of

choral rehearsal and performance.

- **MUS 4810 - Instrumental Conducting**

---

(2)

Prerequisite: MUS 3800; 3120 recommended. Experience offered in transposition, score reading, baton technique, and interpretation of instrumental literature; recognition of effective rehearsal procedure.

- **MUS 4840 - Commercial Songwriting**

---

(2)

Prerequisites: MUS 2021, 3620, 3660 or equivalent. Techniques of songwriting. Melodic, harmonic writing with lyrics in the context of contemporary commercial music.



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### Music (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 4000

- MUS 4849 - Early Music Ensemble

(1)

Prerequisite: Instructor consent. Training in the preparation and performance of ensemble music primarily from the Medieval, Renaissance, and Baroque period.

- MUS 4859 - Chamber Music

(1)

Study and performance of selected works from the duo, trio, quartet, or larger chamber ensemble literature. Activity 3 hours. May be repeated to maximum of 8 units.

- MUS 4860 - Recording Techniques

(2)

Prerequisite: MUS 3860 or equivalent experience. Advanced instruction in microphone technique, gain structure, imaging, editing, and effects. May be repeated to a maximum of 4 units. Activity 4 hours.

- MUS 4870 - Senior Project

(1-3)

Prerequisite/Corequisite: MUS 2012, MUS 2702. Project in lieu of a recital for students enrolled in the Bachelor of Arts, General Option. The project is selected in consultation with the major adviser. May be repeated to a maximum of 3 units. Graded CR/NC.

- **MUS 4880 - Music Technology II**

---

(2)

Prerequisites: MUS 1012, 1021, 2032 or equivalents. Continuing course in computer usage, computer sequencing and notation. Focus on Finale notation and Logic Pro DAW software. Lecture 1 hour, activity 2 hours.

- **MUS 4881 - Music Technology III**

---

(2)

Prerequisites: MUS 4880 and/or permission of instructor. Music composition and arranging utilizing MOTU's Digital Performer and AVID's Pro Tools. Lecture 1 hour, activity 2 hours. Music composition and arranging utilizing MOTU's Digital Performer and AVID's Pro Tools. Lecture 1 hour, activity 2 hours.

- **MUS 4885 - Music Synthesization and Synthesis**

---

(2)

Prerequisite: MUS 4881 and/or permission of the instructor. Studies the use of software synthesizers and samplers to create finished scores; both alone and in conjunction with acoustic instruments.

- **MUS 4886 - Studio Practicum**

---

(2)

Prerequisite: Mus 4860 or equivalent, upper division or graduate standing. A real-world studio environment where students from the disciplines of songwriting, performance, arranging, production and engineering work together to produce professional-level content. May be repeated once for credit.

- **MUS 4890 - Instructional Technology for the Music Educator**

---

(2)

Computer applications for musicians, familiarity with available software, integrating computer technology into the music classroom and the development of a teaching module. Lecture 1 hour, activity 1 hour.

- **MUS 4940 - Kodaly Methodology Level I**

---

(3)

Prerequisite: MUS 4010. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level I presents pedagogy for preschool through grade 2. Additional 15 contact hours required for national certification. Lecture 2 hours, activity 2 hours.

- **MUS 4950 - Orff-Schulwerk Certification Level I**

---

(3)

Prerequisite: MUS 4010. Basic Orff pedagogy for working with pentatonics on do and la, beginning movement experiences and introduction to the soprano recorder. Follows AOSA guidelines for Level I certification. Lecture 2 hours, activity 2 hours.

- **MUS 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and a final report submitted. May be repeated to a maximum of 9 units for credit.

### **Music (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser. MUS 4000*

*Classified graduate standing in Music or equivalent music background is required for admission to all 5000 level courses.*

- **MUS 5000 - Research Techniques in Music**

---

(1)

Prerequisites: Graduate. Basic bibliography, survey of literature, methods of research in music and music education, and practice in organizing and reporting data, both oral and written.

- **MUS 5020 - Seminar: Music Education**

---

(3)

Prerequisites: Baccalaureate with major in music education, at least one year of teaching experience. Evaluation of research and various philosophies, methods, and trends in music education.

- **MUS 5070 - Seminar: Vocal Techniques**

---

(3)

Prerequisite: MUS 3301 and 3302 are suggested but not required. Seminar and critique on psychophysiological approach to vocal techniques. Designed for experienced teachers, soloists, and choir directors. Individual research and class demonstration.

- **MUS 5088 - Graduate Performance as Service in the Real World**

---

(3)

Co-requisite: MUS 5990 Thesis or Project Theories and concepts from civic engagement and the music business inform this examination of the value of music in contemporary society. Students explore issues of identity, diversity, culture, and meaning while participating in community service. Students will prepare 60 minutes of music to perform with the intention of public good within our both outside of and within the music profession. Emphasis will be on reviewing music as service in: schools, churches, health & wellness venues, government agencies, non-governmental agencies, entertainment venues, street/public art venues, for profit and not-for-profit corporations, and online venues. Students will audition for professional gigs and competitions. Students will start their own business providing music for the public good.

- **MUS 5090 - Seminar: Instrumental Music Education**

---

(3)

Prerequisites: MUS 4071 or 4072. Survey and criteria for selection and interpretation of instrumental music.

- **MUS 5109 - Graduate Choral Ensemble**

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(1)

Prerequisite: Instructor consent by audition. Graduate Choral Ensemble is an advanced choral ensemble that performs standard choral literature and contemporary choral works. Students will be required to perform additional duties such as: conduct sectionals, write program notes, serve as coordinator for performances. 3 hours activity.

- **MUS 5119 - Graduate Instrumental Ensemble**

---

(1)

Prerequisite: Instructor consent by audition to Symphonic Band, Wind Ensemble or Symphony Orchestra. Student will be required to perform additional duties such as: conducting sectionals, preparation of program notes. May be repeated to a maximum of 8 units.

- **MUS 5191 - Applied Music: Orchestral Instruments**

---

(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 4 units.

- **MUS 5192 - Applied Music: Instrumental**

---

(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction (at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 4 units.

- **MUS 5200 - Applied Music: Conducting**

---

(2)

Prerequisite: Instructor consent. Private instruction in score preparation and conducting technique as applied to specific literature for band, orchestra, choir, or other selected ensembles.

- **MUS 5301 - Advanced Style Analysis: Chronological Survey to 1750**

---

(3)

Prerequisites: Passing the Graduate Music Theory Placement Exam or Instructor Approval. Analysis of music from the Middle Ages to the late Baroque.

- **MUS 5302 - Advanced Style Analysis: From 1750 to the Present**

---

(3)

Prerequisites: Passing the Graduate Music Theory Placement Exam or Instructor Approval. Analysis of music from the

Classical era to the present. Advanced analytical techniques applied to study of musical styles as related to period, genre, geographic region, and individual composers.

- **MUS 5303 - Popular Music Style Analysis**

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(3)

Prerequisite: Permission of the Instructor. This class studies advanced analytical techniques and applies them to popular music styles as related to period, genre, and individual composers and performers.

- **MUS 5351 - Applied Music: Voice**

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(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 4 units.

- **MUS 5352 - Applied Music: Voice**

---

(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 4 units.

- **MUS 5360 - Graduate Diction for Singers**

---

(2)

Thorough study of phonemes of several languages via phoneticization (I.P.A.), vocalization, and interpretive expression of text. Application to song and operatic repertoire. Lecture 1 hour, activity 2 hours.

- **MUS 5370 - Song Repertoire and Interpretation**

---

(2)

Survey of song literature with particular attention to the national styles of solo song with piano accompaniment from 1800 to the present. Emphasis on student performances of representative selections. Lecture 1 hour, activity 2 hours.

- **MUS 5450 - The Business of Music**

---

(2)

Prerequisite: Graduate standing. A comprehensive examination of current music business practice, including contracts, licensing, publishing, copyrights, social media, and rights organizations.

- **MUS 5460 - Seminar: Commercial Music**

---

(3)

Prerequisite: MUS 5450 or instructor's consent. Practical, theoretical, and philosophical approaches for achieving success as a professional musician/composer in the commercial music industry; emphasis on discourse with industry professionals in Los Angeles.

- **MUS 5471 - Advanced Composition and Arranging for Contemporary Media I**

---

(3)

Prerequisite: Graduate standing. Composition and arranging in the context of modern record production. Form, harmony, elements of detail, application of color; writing for voice, guitar, bass, drums, percussion, keyboards, and orchestral instruments.

- **MUS 5472 - Advanced Orchestration and Arranging for Contemporary Media II**

---

(3)

Prerequisite: Graduate standing and MUS 5471 or consent of instructor. Composition, arranging and orchestration in the context of modern film and TV scoring.

- **MUS 5480 - Advanced Orchestration and Arranging for Afro-Latin Ensembles**

---

(3)

Prerequisite: MUS 3620 or equivalent. Study of advanced arranging and orchestration techniques used in Afro-Latin music ensembles. Idiomatic writing for Afro-Latin percussion instruments.

- **MUS 5491 - Applied Music: Keyboard Instruments**

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(1)

Prerequisite: Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to a maximum of 4 units.

- **MUS 5492 - Applied Music: Keyboard Instruments**

---

(2)

Prerequisite: For students in MM degree programs. Jury examination or audition. Private instruction at the graduate level in technique, repertoire, literature, and pedagogy. May be repeated to maximum of 8 units.

- **MUS 5510 - Music Practicum**

---

(1)

Prerequisites: Graduate standing in music or instructor approval. Integrated theoretical and practical approaches to rehearsal and performance issues in graduate instrumental or vocal music. Activity 2 hours.

- **MUS 5520 - Music Internship**

---

(1 -3)

Prerequisites: Graduate standing and instructor approval. Graduate internships in professional music environments, including: commercial music; music: production; music management; music education; or collaborative music-making (on or off campus). May be repeated to a maximum of 4 semesters (or up to 12 units total).



- **MUS 5570 - Seminar: Afro-Latin Music**

---

(3)

Prerequisite: Instructor's consent. Study of practical, theoretical and philosophical topics concerning Afro-Latin music; emphasis on discourse with professional musicians in Los Angeles. May be repeated to a maximum of 6 units.

- **MUS 5580 - Histories and Literature of Afro-Latin Music**

---

(3)

Study of representative composers and music from the various Afro-Latin cultures. The course includes stylistic, formal, and thematic score analysis of representative works from the music literature.

- **MUS 5590 - The Roots of American Rock and Pop Music**

---

(3)

Prerequisite: Instructor's consent. This class traces the musical legacy of rock and popular music and covers the development of this music in the United States from the mid-1800s to the present.

- **MUS 5600 - Advanced Composition**

---

(2)

Prerequisites: MUS 4600 and instructor approval. Advanced compositional techniques for small or large ensembles. May be repeated to a maximum of 6 units.

- **MUS 5680 - Seminar: Performance**

---

(3)

Prerequisite: 4000-level applied music course. Student performance with critiques highlighting stylistic, aesthetic, and practical components that influence musical performance; artist performances (taped or live) and critiques; preparation of graduate recital.

- **MUS 5690 - Seminar: Advanced Composition**

---

(3)

Prerequisites: MUS 5000, 5600. Philosophies and aesthetic theories involved in contemporary music; compositional problems and projects of an advanced nature intended to synthesize previous creative skills and techniques. May be repeated to maximum of 4 units.

- **MUS 5720 - Music of Baroque Period**

---

(3)

Prerequisites: MUS 5000 and Graduate standing. History and analysis of music of the Baroque period in the context of Baroque ideals and aesthetics

- **MUS 5730 - Music of Classic Period**

---

(3)

Prerequisites: MUS 5000 and Graduate standing. History and analysis of music of the Classical period in the context of Enlightenment beliefs and aesthetics.

- **MUS 5740 - Music of Romantic Period**

---

(3)

Prerequisites: MUS 5000 and Graduate standing. History and analysis of music of the nineteenth century in the context of Romanticism.

- **MUS 5750 - 20th and 21st Century Music**

---

(3)

Prerequisites: MUS 5000 and Graduate standing. Characteristics of early 20th century music from 1900 to 1970; analysis of representative works; music in relation to early 20th century arts and society.

- **MUS 5830 - Seminar: Conducting**

---

(3)

Prerequisites: MUS 4800 or 4810. Conducting topics; study of literature, analytical procedures, and rehearsal techniques applicable to choral and instrumental conducting.

- **MUS 5860 - Kodaly Methodology Level II**

---

(3)

Prerequisite: MUS 4940. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level II presents pedagogy for grades 3-5. Additional fifteen contact hours required for national certification. Lecture 2 hours, activity 2 hours.

- **MUS 5870 - Orff-Schulwerk Certification Level II**

---

(3)

Prerequisite: MUS 4950. Basic Orff pedagogy for working with modal music, folk dance in 5 and 7 meters and introduction to the alto recorder. Follows AOSA guidelines for Level II certification. Lecture 2 hours, activity 2 hours.

- **MUS 5880 - Kodaly Methodology Level III**

---

(3)

Prerequisite: MUS 5860. Philosophy and pedagogy of Zoltan Kodaly applied to American music education. Level III presents pedagogy for middle school and high school instruction. Additional fifteen contact hours required for national certification. Lecture 2 hours, activity 2 hours.

- **MUS 5890 - Orff-Schulwerk Certification Level III**

---

(3)

Prerequisite: MUS 5870. Orff pedagogy for major-minor, the addition of tenor and bass recorders and a teaching practicum of original music and movement. Follows AOSA guidelines for Level III certification. Lecture 2 hours, activity 2 hours.

- **MUS 5920 - Advanced Film Scoring, Songwriting and Music Production**

---

(3)

Prerequisites: MUS 4670, 4840, and 4881. Intensive scoring, songwriting, and music production techniques for students with previous experience and enhanced sound and production skills. Lecture 2 hours, activity 2.

- **MUS 5960 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **MUS 5970 - Graduate Studies**

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **MUS 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 9 units.

- **MUS 5990 - Thesis or Project**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis or project. Must be repeated to maximum of 3 units. Graded CR/NC.

### **Music, Theatre and Dance (Undergraduate)**

- **MTD 4000 - Collaborate and Create for Music, Theatre and Dance**

---

(2)

Prerequisite: Permission of the instructor. A class focused on interdisciplinary instruction in composition and performance of original works including both improvisational and structured movement and music.

- **TA 1310 - Stagecraft - Scenery and Properties**

---

(2)

Co-requisite: TA 1300. Technical theatre practices developed in lectures, demonstrations, and workshop experience. Basic tools and techniques of scenery construction and props; drafting; reading ground plans; scenic painting techniques. Additional hours required.

- **TA 1320 - Introduction to Lighting and Sound**

---

(2)

Co-requisite: TA 1300. Technical theatre practices developed in lectures, demonstrations, and workshop experience; basic stage lighting, sound technology and editing; electricity, color, hang/focus, and basic computer drafting techniques. Additional hours required.

- **TA 1330 - Introduction to Costumes and Makeup**

---

(2)

Co-requisite: TA 1300. Technical theatre practices developed through lectures, and demonstrations Basic techniques of costume construction and makeup application including special effect procedures and replication processes. Additional hours required.

- **TA 1410 - Acting I**

---

(3)

Introduction to the fundamentals of acting for naturalistic performance, the history of actor training and the current theatrical community of Los Angeles. Students present contemporary dramatic scenes and monologues.

**CI-D THTR 111 & THTR 114:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **TA 1420 - Acting II**

---

(3)

Prerequisite: TA 1410. Deeper understanding and application of fundamental acting techniques: objectives, actions/tactics, substitution, personalization, physical and vocal commitment, and application to contemporary comedic scenes and monologues.

**CI-D THTR 152:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- TA 1520 - Analysis of Drama and Theatre

---

(3)

Principles of drama and theatre; social relevance of theatre; dramatic structures and styles of diverse forms of theatre; evaluation and appreciation of plays in performance.

**C-ID THTR 111/ THTR 112/ THTR 114:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE C2**

- TA 2760 - Introduction to Playwriting

---

**(also listed as ENGL 2090)**

(3)

Prerequisite: ENGL 2700 or 2800 or TA 1520 or instructor consent. Collaborative approach to writing for the stage; emphasizes writing practices and process; introduction to dramaturgy and critical feedback.

- TA 3000 - Production Participation

---

(1-2)

Participation in production and/or technical areas of Music, Theatre and Dance including, but not limited to, scenic, lighting, costumes, audio, or props, as assigned. May be repeated to a maximum of 12 units.

- TA 3010 - Creative Dramatics

---

(3)

Philosophies and techniques of creative dramatics. Emphasis on improvisation, play making, pantomime, ongoing drama, story dramatization, role playing; selected projects and demonstrations.

- TA 3110 - Development of World Theatre I

---

(3)

Prerequisite: Theatre majors must complete TA 1500 or TA 1520 or instructor consent. Significant developments in world drama and theatre from origins through the mid 19th century with an emphasis on religious and civic festivals, theatre of patronage, and popular theatre.

- TA 3120 - Development of World Theatre II

---

(3)

Prerequisites: Theatre majors must complete TA 3110 or have instructor consent. Significant developments in world drama and theatre from the mid 19th century to the present with an emphasis on modernism, the avant-garde, post-colonialism, globalism and post-modernism.

- **TA 3140 - Staging Violence in World Theatre**

---

(3)

Prerequisites: Completion TA 1520 and Blocks A and B4, an additional course from Block B and at least one course each from Blocks C and D. Examines representations of violence on stage in various cultures and eras of world theatre from live graphic violence, to violence beautifully or horribly described. Studies theatre in its social context.

**GE UD C**

- **TA 3390 - Stage Management**

---

(3)

Prerequisites: TA 1310 and 1320 or instructor consent. Basic skills, procedures, and responsibilities of theatrical stage management. Course highlights organization and communication, theatrical structures and practical application. Course will detail the stage manager's process from preproduction and rehearsals through performance.

- **TA 3410 - Acting III: Classical Acting**

---

(3)

Prerequisites: All lower division required courses for the TA/Performance Option. Principles and techniques of classical acting. Grounding in textual analysis through initial exposure to classical texts in performance. Additional hours required.

- **TA 3480 - Viewpoints**

---

(3)

Prerequisites: Theatre Arts and Dance majors must have completed all lower division required courses and TA 3110 (Performance Option)/DANC 4200 (Dance Option). An introduction to the improvisational process of Viewpoints, a physically-based process for the performer to interact with the essential elements of performance: Space, Time, Shape, Motion (kinesthetic), Emotion and Story.

- **TA 3800 - Emotion in Theatre and Film**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Analysis of emotion as motivational force in theatre and film. Emotion as critical factor in performance, narrative development and the essential mediating component compelling audiences to the theatrical/cinematic experience.

- **TA 3900 - Performance Research and Writing**

---

(3)

Advanced research and writing practice with emphasis on critical and mechanical skills appropriate to Theatre

**(WI)**

- **TA 4000 - Creative Drama for the Elementary Classroom**

---

(3)

Exploration/integration of artistic perception, creative expression, historical/cultural contexts, aesthetic valuing as

components of teaching/learning through drama.

- **TA 4100 - Performance Participation**

---

(1-2)

Prerequisite: Instructor consent required. Detailed work on a major production with rehearsal and performance requirements. Enrollment required for performance participation. Meets more than 6 hours each week. May be repeated to maximum of 12 units.

- **TA 4220 - Advanced Makeup Design**

---

(3)

Prerequisites: TA 1330 or instructor consent. Advanced techniques in creation and application of prosthetics for stage, television, and cinema; experimental design of stylized nonrealistic makeup. Additional hours required. May be repeated up to 6 units.

- **TA 4260 - Costume Design**

---

(3)

Prerequisite: TA 1330 or instructor consent. Corequisite: TA 3000. Basic principles of costume design through research, analysis, history and changes in design silhouettes. Additional hours required.

- **TA 4270 - Advanced Costume Design**

---

(3)

Prerequisite: TA 4260. Advanced design problems and application of projects in costume design. Assist in construction of costumes. Advanced research analysis, rendering and construction techniques. Additional hours required.

- **TA 4310 - Scenic Design**

---

(3)

Prerequisites: TA 1310. Co-requisite: TA 3000. Basic principles of scenic design, models, sketches, computer drafting, and perspective rendering including the application of the basic elements of design and history of styles. Additional hours required.

- **TA 4320 - Advanced Scenic Design**

---

(3)

Prerequisite: TAD 4310. Advanced design problems and application of advanced scenic rendering, drafting, and model making. Additional hours required.

- **TA 4340 - Lighting Design**

---

(3)

Prerequisites: TA 1320. Co-requisite: TA 3000. Basic principles of lighting design; lighting research and concepts, study and implementation of techniques, photometrics, computer-aided drafting, light plots, and cueing. Additional hours required.

- **TA 4350 - Advanced Lighting Design**

---

(3)

Prerequisite: TA 4340. Advanced design problems and application of lighting design concepts, photometrics, computer drafting, cueing, and overall design execution. Additional hours required.

- **TA 4390 - Arts Management**

---

(3)

Prerequisites: Completion of lower division requirements, or graduate standing. Historical evolution, theory development and practice of arts administration and theatre management. Additional hours required.

- **TA 4420 - Acting Studio**

---

(2)

Prerequisites: Instructor Consent Required. Organic approach to the physical and emotional demands of acting in competition and before audiences. Additional hours required. May be repeated to a maximum of 6 units.

- **TA 4450 - Principles of Directing**

---

(3)

Prerequisites: TA 3120 and TA 3390, or graduate standing. Introduction to the process of directing plays: script analysis, concepts, auditions, casting, blocking, scheduling and conducting rehearsals, communication techniques for artistic collaboration, and presentation of scene work. Additional hours required.

- **TA 4460 - Advanced Directing**

---

(3)

Prerequisites: TA 4450 or graduate standing. Advanced techniques of stage directing; developing of concept, style, and approaches to directing classical, modern, and nonrealistic plays; collaborative approaches working with actors and designers; scene presentations. Additional hours required.

- **TA 4490 - Management Practicum**

---

(2)

Prerequisites: TAD 3390 and instructor approval. Application of management fundamentals through practical assignment on a music, theatre or dance production.

- **TA 4500 - Design Practicum**

---

(1-2)

Prerequisites: TA 4260, TA 4310, or TA 4340 and instructor consent. Application of design fundamentals through practical assignment on Department or College production with instructor approval. May be repeated to a maximum of (6) units.



- TA 4540L - Selected Topics in Theatre Arts

---

(1-3)

Prerequisite: n/a. Current topics of special interest to students in theatre arts as announced in Schedule of Classes.

- TA 4540P - Selected Topics in Theatre Arts

---

(1-3)

Prerequisite: n/a. Current topics of special interest to students in theatre arts as announced in Schedule of Classes.

- TA 4590 - Hispanic Play Production

**(also listed as SPAN 4590)**

---

(2-3)

Prerequisite: Intermediate Spanish. Introduction to major forms of Spanish drama; mechanics and production of a major work of Hispanic theatre. May be repeated to total of 12 units, of which maximum of 4 may apply toward major.

- TA 4600 - Studies in Selected Dramatists

---

(3)

Prerequisites: Two dramatic literature courses. Intensive study of one or several important dramatists; specific course content varies. May be repeated to maximum of 8 units as subject matter changes.

- TA 4630 - Shakespearean Performance

---

(3)

Prerequisites: TA 1420 and 1500 or instructor consent. Classical acting techniques unique to Elizabethan/Jacobean performance are explored through an analysis, experimentation, and discovery of Shakespeare's First Folio, and applied within the rehearsal process. Additional hours required.

- TA 4670 - Praxis: Theory and Practice in Performance

---

(3)

Prerequisite: TA 3900 or upper division writing course. Introduction to popular theories and practices in performance studies for exploring and generating social activist performance(s) Techniques include activism, social drama, performance ethnography, pedagogy and theatre of the oppressed. Additional hours required.

- TA 4750 - Dramaturgy

---

(3)

Prerequisites: TA 3120, instructor consent . Basic skills, methods and practices of institutional, process, and production, dramaturgy. Practical experience with directors and playwrights. Additional hours required.

- TA 4760 - Playwriting

---

(3)

Prerequisites: TA 2760 and TA 3120; or instructor consent. Workshop in planning, preparing, and writing a one-act play for the stage; emphasis on handling dramatic, play structure, characterization, dialogue, play formatting and process dramaturgy. May be repeated to a maximum of 6 units for credit.

• TA 4800 - Cinema as a Dramatic Art

(3)

Prerequisite: n/a. Comparative analysis of dramatic media, consideration of media as art forms; emphasis on "Great Films" series. May be repeated to a maximum of 8 units with instructor consent.



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### Music, Theatre and Dance (Undergraduate)

- TA 4890 - Advanced Creative Workshop

(1-2)

Prerequisite: Instructor consent. Active participation in student-generated, University-sponsored dramatic activities. Assignments may include acting, directing, playwriting, dramaturgy, design, choreography, or stage management. May be repeated a maximum of 6 units.

- TA 4990 - Undergraduate Directed Study

(1-3)

Prerequisite: n/a. Project selected in conference with sponsor prior to registration; progress meetings held regularly and final report submitted. May be repeated to a maximum of 12 units for credit.

- TA 5780 - Seminar: Drama Therapy Assessment and Treatment

(3)

Theories of drama therapy, research, assessment, diagnosis, and treatment interventions. May be repeated to maximum of 8 units.

### Music, Theatre and Dance (Graduate)

## MUS 9000 - Graduate Studies

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(0)

Prerequisite: MUS 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

- TA 5000 - Graduate Research in Performance

---

(3)

Introduction to bibliography, research techniques, critical approaches, play and dance analysis, and performance criticism. Survey of current journals

- TA 5100 - Projects in Teaching Theatre, Performance and Dance

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(1- 3)

Planned preparation, ongoing supervision and critical evaluation of undergraduate theatre and dance courses taught by current graduate students. May be repeated to a maximum of 8 units.

- TA 5110 - Seminar: Special Studies in Performance History

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(3)

Prerequisite: TA 3110, TA 3120. Significant era or movement in performance history. Specific subject determined by student needs and interests. May be repeated to a maximum of 8 units for credit.

- TA 5120 - Seminar in World Performance

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(3)

An overview of the theory and history about world dance, theatre, and performance traditions in Africa, South and North America, the Caribbean, Asia, and the Pacific Islands.

- TA 5410 - Seminar: Theories of Acting

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(3)

Major theories of acting from Diderot to the present including a range of physical to psychological and representational to presentational approaches to acting.

- TA 5700 - Seminar: Experimental Performance

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(3)

Readings, research and practical assignments on the major theorists and artists of the 19th and 20th Century whose work defied conventional norms and structures, and influenced contemporary performance artists.

- TA 5740 - Theories in Performance

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(3)

Theoretical approaches to, and critiques of, identity, meaning, representation and power as these emerge in and affect theatre and dance studies. Includes study of primary and secondary sources in dance and theatre.

- TA 5940 - Field Work/Internship Drama Therapy

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(3)

Prerequisite: TA 4780. Independent supervised field experience in drama therapy internships with individuals, groups, and families. May be repeated to maximum of 16 units.

- TA 5950 - Graduate Performance

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(1-3)

Demonstration of graduate level proficiency in a major performance situation; research or analytical written project directly related to performance. May be repeated to maximum of 4 units.

- TA 5960 - Comprehensive Examination

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(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- TA 5980 - Graduate Directed Study

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(1-3)

Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

- TA 5990 - Thesis or Project

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(1-4)

Independent research resulting in a thesis or project. May be repeated to maximum of 6 units. Graded CR/NC.

#### **Natural and Social Sciences (Undergraduate)**

- NSS 1001 - Introduction to Higher Education

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(3)

Introduces critical thinking, information literacy, university resources, civic engagement, and academic planning for student success. Graded ABC/NC

#### **Freshmen IHE and Block E**

- NSS 1100 - Astrobiology- Physical and Chemical Requirements of Extraterrestrial Life, Astrobiology

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(3)

Prerequisites: completion of A2 (Written Communication) and B4 (Quantitative Reasoning & Mathematical Concepts). The search for life in the universe. Conditions for life, life at the extremes, habitable zones, life in our Solar System and beyond, interstellar travel. Lecture 2 hours, laboratory 3 hours.

**GE B3**

- **NSS 1200 - Water and Life in the Los Angeles Basin**

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(3)

Introductory geology and biology, the interaction of biological and ecological systems with the earth and the water cycle; social dimensions of water use in the LA Basin. Lecture 2 hours, laboratory 2 hours; two one-day field trips.

**GE B3**

- **NSS 1300 - Bioclimatology**

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(3)

This course introduces scientific evidence and theory for global climate change and its impacts on terrestrial biological systems. Lecture, 2 hrs per week; Laboratory, 3 hrs per week.

**GE B3**

- **NSS 3010 - Transition to Cal State L.A. for Natural and Social Science Majors**

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(1)

Exploration of skills and resources that will help the transfer student attain degree objectives. This course fulfills the University requirement for an introduction to higher education course for transfer students. NIS account required. Graded ABC/NC.

- **NSS 3540 - Special Topics**

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(1-3)

Prerequisite; varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **NSS 4540 - Special Topics in Natural and Social Sciences**

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(1-3)

Prerequisites: As needed for specific topic. Current topics of special interest to students in Natural and Social Sciences, as announced in the Schedule of Classes. May be repeated to a maximum of 8 units for credit

**Natural Science (Undergraduate)**

- **NATS 1010 - Physical Science**

---

(4)

Basic concepts in physics and chemistry such as motion, energy, electricity, and the properties and transformations of matter. Open to all non-science majors. Recommended for Elementary Subject Matter majors. Lecture 3 hours, laboratory 3 hours.

- **NATS 1020 - Earth and Space Science**

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(4)

Basic concepts in geology and astronomy such as earthquakes, volcanoes, geologic time, climate change, stars, comets, planets and galaxies. Open to all non-science majors. Recommended for Elementary Subject Matter majors. Lecture 3 hours, laboratory 3 hours.

- **NATS 3980 - Field Observations in Science Education**

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(1)

Early field experiences of science education in 9th-12th grade schools, activities conducted in the course correlate with content/concepts from the California standards for professional teacher preparation programs.

- **NATS 4000 - Crosscutting Concepts in Natural Science**

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(3)

Prerequisites: Upper division standing. Description: Basic concepts in physics and chemistry such as motion, energy, electricity, and the properties and transformations of matter. Open to all non-science majors. Recommended for Elementary Subject Matter majors. Lecture 3 hours.

- **NATS 4100 - The Nature of Science**

---

(3)

The integration of the philosophy, history and sociology of science along with elements of the psychology of scientific observations in order to provide an accurate description of how science functions.

- **NATS 4200 - Cultures of Science**

**Also listed as LBS 4200**

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(3)

Prerequisite: Upper Division standing. Interdisciplinary study of scientific cultures, epistemologies, and ideologies; examination of how science is represented in texts from literature, film, and TV.

- **NATS 4540 - Current Topics in Natural Science**

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(3)

Current topics of special interest in science and technology and their significance in current societal issues. Content varies; see Schedule of Classes for specific topic. May be repeated once for credit. Lecture 3 hours.

- **NATS 4950 - Natural Science Field Studies**

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(3)

Prerequisites: Completion of Natural Science core requirements and adviser approval. Interdisciplinary application of the concepts of science for field and laboratory studies of the physical and biological environments. Lecture 1 hours, Laboratory 6 hours.

**GE WI**

- **NATS 4960 - Natural Science Field Studies and Pedagogy**

---

(4)

Prerequisites: Completion of the Natural Science core requirements, and approval of the Natural Science adviser.  
Description: Design, propose, and conduct an interdisciplinary science field/laboratory project and present project findings in written and oral formats. Create a related secondary instructional unit and peer-teach selected lessons. Strategies, objectives, and methods in the teaching of science in the urban setting. Lecture 1 hour, Laboratory 6 hours.

**GE (wi)**

### **Nursing (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **NURS 1100 - Fundamentals of Nursing**

---

(3)

Pre-requisite: Admission to the Basic Pre-Licensure nursing program; Co- Requisites: NURS 1150, 2720, 2730.  
Introduction to professional nursing and the nursing process with a focus on therapeutic communication and the older adult. Emphasis on diverse patients experiencing fluid/electrolyte, and endocrine dysfunction.

- **NURS 1150 - Fundamentals of Nursing Clinical Laboratory**

---

(3)

Pre-requisite: Admission to the Basic Pre-Licensure nursing program; Co-Requisites: NURS 1100, NURS 2720. 65 hours of simulated/practical laboratory and 70 hours of clinical experience caring for adults and older adults with electrolyte and endocrine disorders applying nursing fundamental theoretical concepts of professional nursing practice and therapeutic communication.

- **NURS 2160 - Nursing Care of Women, Child-bearing Families and Infants**

---

(2)

Prerequisites: NURS 2300 / 2310 Med Surg 1, SOC 2010. Corequisite: NURS 2170. Assessment and clinical management of women, childbearing families and infants.

- **NURS 2170 - Nursing Care of Women, Child-bearing Families and Infants Lab**

---

(2)

Prerequisites: NURS 2300 / 2310 Med Surg1, SOC 2010. Corequisite: NURS 2160. Nursing care of women, childbearing families, and infants based on analysis of self-care requirements.

- **NURS 2200 - Nursing Care of Children**

---

(2)

Prerequisites: NURS 2300 / 2310 Med Surg 1, SOC 2010. Corequisite: NURS 2210. Nursing care of children emphasizing health promotion and common health disturbances.

- **NURS 2210 - Nursing Care of Children Clinical Laboratory**

---



(2)

Prerequisites: NURS 2300 / 2310 Med Surg 1, SOC 2010. Corequisite: NURS 2200. Clinical experience with children and their families in various settings emphasizing health promotion and common health deviations.

- **NURS 2300 - Medical Surgical Nursing I**

---

(3)

Prerequisites: NURS 1100, 1050, 2720; Co-requisites: NURS 2500, 3600. Nursing assessment and management of adults and older adults experiencing oto-ophthalmic, cardiac, respiratory, integumentary, musculoskeletal, peripheral vascular, hematologic and gastrointestinal dysfunction. Includes perioperative care.

- **NURS 2310 - Medical Surgical Nursing Clinical Laboratory I**

---

(3)

Pre-requisites: NURS 1100, NURS 1150. Co-Requisite: NURS 2300. Simulated/ practical clinical experience for the acute care of adults/older adults with cardiovascular, respiratory, hematologic, perioperative, sensory, musculoskeletal, and gastrointestinal disorders including the administration of medications and intravenous therapies.

- **NURS 2500 - Introduction to Pathophysiology for Nursing Practice**

---

(3)

Prerequisites: Admissions into the Nursing Program. Basic concepts of pathophysiologic alterations throughout the lifespan including cellular function and growth; integrative body functions. Beginning understanding of the pathophysiological rationale for nursing interventions.

- **NURS 2540 - Selected Topics in Nursing**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 2545 - Selected Topics in Nursing**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 2720 - Introduction to Health Assessment and Promotion Across the Life Span**

---

(2)

Prerequisites: Admission to the Nursing program. Corequisites: NURS 1000, NURS 1050, NURS 2730. Required of Generic students only. Introduction to health assessment including: Vital sign assessment, history taking, physical assessment and examination and diagnostic testing, health promotion and patient education.

- **NURS 2730 - Introduction to Health Assessment and Promotion Across The Life Span Laboratory**

---

(1)

Prerequisites: Admission to the Nursing program. Corequisites: NURS 1100, NURS 1150, NURS 2720. Required of Generic students only. Clinical demonstration and practice of vital sign assessment, history taking, physical assessment techniques and examination, diagnostic testing, health promotion, and patient education.

- **NURS 3070 - Physiology and Psychology of Violence and Aggression**

**(also listed as PSY 3070)**

---

(3)

Prerequisites: Completion of GE Block A, Block B4, one additional course from Block B, and one course each from Blocks C and D. Biological and psycho-behavioral approaches to violent individuals; analysis of and research support for understanding the role diversity plays in intercultural and intergroup violence drawn from natural, medical and behavioral sciences.

**GE UD B (d)**

- **NURS 3080 - Psychophysiology of Substance Abuse and Violence**

---

(3)

Prerequisites: Completion of Block A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Physiological effects of abused substances; examination of connection between substance abuse and violent behavior.

**GE UD B**

- **NURS 3100 - Medical Surgical Nursing II**

---

(3)

Prerequisites: NURS 1100, NURS 1150, NURS 2300, NURS 2310; Co-requisites: NURS 3110. Principles of advanced nursing care of high acuity hospitalized adults and older adults experiencing acute cardiac, pulmonary, neurological, renal, integumentary/immune and/or multisystem failure and dysfunction.

- **NURS 3110 - Medical Surgical Nursing Clinical Laboratory II**

---

(3)

Prerequisites: NURS 1100, NURS 1150, NURS 2300, NURS 2310. Co-requisite: NURS 3100. Application of advanced theoretical and nursing care necessary for adults and older adults with complicated, acute and chronic neurological, integumentary, renal, neoplastic/immune, and/or multisystem failure and/or dysfunction.

- **NURS 3180 - Nursing Care of Psychiatric Patients**

---

(2)

Prerequisites: Medical-Surgical Nursing 1(T/L); Co-requisite: NURS 3190. Introduction to nursing practice in a variety of psychiatric care settings caring for patients with problems in social and psychological functioning.

- **NURS 3190 - Psychiatric Clinical Nursing Lab**

---

(2)

Prerequisites: Medical-Surgical Nursing 1 (T/L). Corequisite: NURS 3180. Clinical experience in a variety of settings implementing the nursing process in the area of adult patient/clients demonstrating deficits in social and psychological functioning.

- **NURS 3200 - Fundamentals of Nursing**

---

(3)

Prerequisites: Admission to the ABSN Program. Corequisites: NURS 3210. Introduction to professional and clinical issues in nursing. Theoretical and conceptual approaches to nursing, the nursing process, basic nursing skills, communication, legal/ethical issues, culture and client education concepts.

- **NURS 3210 - Practicum: Fundamentals of Nursing**

---

(3)

Prerequisite: Admission to the ABSN Program. Corequisite: NURS 3200. Structured, clinical activities and experience focused on application of professional and care giver role including clinical skills, medication administration, and use of nursing process.

- **NURS 3220 - Nursing Care of Adults and Older Adults**

---

(4)

Prerequisites: NURS 3200, NURS 3210. Corequisites: NURS 3230. Nursing process in the care of adults and older adults experiencing health deviations in various body systems and across diverse health care settings.

- **NURS 3230 - Practicum: Nursing Care of Adults and Older Adults**

---

(4)

Prerequisites: Co-requisite: NURS 3220. Clinical practice in the care of adults and older adults experiencing health deviations across diverse health settings including application managed care and case management strategies.

- **NURS 3240 - Nursing Care of Women, Childbearing Families and Infants**

---

(2)

Prerequisites: Admission to ABSN program. Corequisites: NURS 3250. Introduction to family nursing; assessment and nursing care of women, childbearing families and infants.

- **NURS 3250 - Practicum: Nursing Care of Women, Childbearing Families, and Infants**

---

(2)

Corequisites: NURS 3240. Clinical practice in the care of women and their families during the childbearing cycle.

- **NURS 3260 - Nursing Care of Children**

---

(2)

Prerequisites: Admission to ABSN program. Corequisites: NURS 3270. Nursing care of children emphasizing health promotion and common health deviations.

- **NURS 3270 - Practicum: Nursing Care of Children**

---

(2)

Corequisite: NURS 3260. Patient care experiences with children encountering common health deviations in various settings.

- **NURS 3280 - Pathophysiology**

---

(3)

Prerequisites: Admission to ABSN program. The pathogenesis of clinical findings in health deviations, emphasis on pathophysiologic basis for nursing diagnosis and interventions during deviations from normal body system functioning.

- **NURS 3300 - Human Reproductive Health**

---

(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block B. Physical health needs and issues, emphasizing the reproductive systems for women and men across the age span; overview of physiology, pathophysiology, diagnostic technologies, and therapeutic management of common health problems.

- **NURS 3460 - Family Nursing**

---

(2)

Prerequisite: Admission into the RN-BSN program. Theoretical foundations of family nursing and its application to the nursing process with families.

- **NURS 3480 - Development for Professional Practice**

---

(3)

Prerequisites: Admission to RN-BSN program. Corequisite: NURS 3490. Socialization and development into professional nursing roles including the nurse as professional, advocate, provider, and coordinator of care. Focus on nursing process and selected issues in professional practice.

- **NURS 3490 - Development for Professional Practice Laboratory**

---

(1)

Prerequisites: Admission to RN-BSN program. Corequisite: NURS 3480. Application of nursing process for professional practice within a self-care framework to patient care situation in clinical setting.

- **NURS 3500 - Pathophysiology For Nursing Practice**

---

(3)

Prerequisite: Admission to RN-BSN Program. Course builds upon the student's prior foundation of concepts of disease process throughout the lifespan including cellular function and integrative body functions. Focus on the pathophysiologic rationale for nursing interventions.

- **NURS 3540 - Selected Topics in Nursing**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 3545 - Selected Topics in Nursing**

---

(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students, as announced in Schedule of Classes. May be repeated for credit.

- **NURS 3550 - Strategies for Preventing and Intervening in Family Violence and Abuse**

---

**(also listed as SW 3550)**

(3)

Prerequisites: Completion of Blocks A and B4, and additional course from Block B, and at least once course each from Blocks C and D. Major theories used to explain family violence; emphasis on preventing abuse and intervening with victims across the age span; social policy and legal issues.

**GE UD D**

- **NURS 3600 - Pharmacology**

---

(2)

Prerequisite: Admission to the Nursing Program. Basic principles and contemporary issues in pharmacology for nurses; major drug classifications, mechanism of drug action and nursing implications throughout the nursing process.

- **NURS 3620 - Health Assessment and Health Promotion Across the Life Span**

---

(2)

Prerequisite: Admission to the Entry Level Master's or Entry Level Bachelor's Program in Nursing. Corequisites: NURS 3210. Health Assessment including history taking and physical examination; principles of health promotion across the life span.

- **NURS 3720 - Health Assessment and Promotion Across the Life Span**

---

(2)

Prerequisites: RN-BSN transfer students only; NURS 3480. Corequisite: NURS 3730. Health assessment including history taking, physical examination and diagnostic testing; principles of health promotion across the life span and concepts of patient education.

- **NURS 3730 - Health Assessment and Promotion Across the Life Span Laboratory**

---

(1)

Prerequisites: RN-BSN transfer students only; NURS 3480. Corequisite: NURS 3720. Health assessment including history taking, physical examination and diagnostic testing, health promotion and patient education experiences in a variety of settings.

- **NURS 3820 - Palliative Care**

---

(3)

Prerequisite: Completion of GE Block A and Block B4, one additional course from Block B, and one course each from Blocks C and D. Examination of the role in providing palliative care to individuals of diverse populations and settings. Symptom management, physical and psycho-social care, client-family communication, and cultural/religious perspectives during life-threatening illnesses are explored.

**GE UD D; (d); (cl)**

- **NURS 3850 - Spiritual Assessment and Care of the Older Adult**

---

**Also listed as RELS 3850**

(3)

Prerequisite: Completion of GE Blocks A and B4, one additional course from Block B, and one course each from Blocks C and D. Exploration of the older adult's spiritual needs during illness and disability and how spiritual care may be closely integrated with that of body and mind.

**GE UD C; (d)**

- **NURS 3900 - Nursing Informatics and Information Literacy and Competency**

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(2)

Introduction to nursing information literacy and information science, and information systems. Research skills to strengthen evidence-based practice for consumer-centered computer-supported care. Innovation in nursing care delivery systems.

- **NURS 3980 - Cooperative Education**

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**(Also listed as UNIV 3980)**

(1-4)

Prerequisite: See UNIV 3980. Cooperative Education

- **NURS 4021 - Fundamentals of Electrocardiography**

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(1)

Prerequisite: Elective. Fundamentals of vector analysis of the 12 lead electrocardiogram and basic arrhythmia detection.

- **NURS 4022 - Advanced Electrocardiography**

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(1)

Prerequisite: NURS 4021. Advanced electrocardiography including detailed evaluation of 12 lead electrocardiogram in determining axis changes, conduction defect, cardiovascular hypertrophies, location of myocardial infraction, differentiation of complicated arrhythmias, and selected electrolyte and drug effects.

- **NURS 4120 - Introduction to Basic and Advanced EKG Interpretation**

---

(2)

Pre requisites: Admission to the nursing program; NURS 1100, NURS 1150. Principles of ECG/ 12 lead interpretation. Review of cardiac anatomy/physiology/ electrophysiology, dysrhythmia recognition/management. Emphasis on high risk situations: hemodynamic instability, lethal dysrhythmias, electrolytes, current medications/ effects/ electrical treatments.

- **NURS 4230 - Nursing in School Health Programs Clinical Laboratory**

---

(5)

Prerequisites or corequisites: NURS 5260, NURS 5300. Clinical school nursing experience with multicultural and ethnic students in elementary, secondary, and special education settings under direction of credentialed school nurse preceptor.

- **NURS 4240 - Introduction to Nursing Research**

---

(2)

Prerequisites: Admission to ABSN program. Introduction to the nursing research process with application of the process to clinical practice. Reading, critiquing and utilization of nursing research.

- **NURS 4340 - Care Management in Nursing and Healthcare Systems**

---

(3)

Pre-Requisites: Admission to Accelerated BSN program. Introduction to organizational theory, socioeconomic political trends and healthcare delivery systems. Emphasis on competent nursing practice involving the comprehensive care coordination of vulnerable populations.

- **NURS 4400 - Psychiatric and Mental Health Nursing**

---

(2)

Prerequisites: Admission to ABSN program. Co-requisite: NURS 4410. Nursing process in the care of clients with deviations in social and psychological functioning.

- **NURS 4410 - Practicum: Psychiatric and Mental Health Nursing**

---

(2)

Co-requisites: NURS 4400. Clinical experience in a variety of settings implementing the nursing process with clients demonstrating deviations in social and psychological functioning.

- **NURS 4420 - Community/Public Health Nursing**

---

(3)

Prerequisites: Admission to ABSN program. Co-requisite: NURS 4430. Synthesis of nursing theories and public health science applied to assessing and promoting the health of at risk populations: communities, families and aggregates.

- **NURS 4430 - Practicum: Community Health Nursing**

---

(3)

Corequisite: NURS 4420. Nursing in the community: experiences in home health, family focused care, and population based nursing in the community.

- **NURS 4440 - Advanced Nursing Concepts and Leadership**

---

(3)

Prerequisite: NURS 3220 / NURS 3230. Corequisite: NURS 4450. Advanced clinical nursing: principles of nursing leadership; care of hospitalized adults experiencing complex, acute and chronic multidimensional health problems including neurological, renal, integumentary, neoplastic, and immune diseases, or multi-system failure.

- **NURS 4450 - Practicum: Advanced Nursing Concepts and Leadership**

---

(3)

Corequisite: NURS 4440. Practicum in nursing leadership and care of patients with acute and chronic complex medical surgical conditions; basic skills for critical care nursing and end-of-life care.

- **NURS 4540 - Selected Topics in Nursing**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit.

- **NURS 4550 - Selected Topics in Nursing**

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(1-4)

Prerequisites: As needed for specific topic. Current topics of special interest to nursing students announced in Schedule of Classes. May be repeated for credit.

- **NURS 4600 - Nursing Leadership and Care Management**

---

(3)

Pre-Requisites: NURS 3100, 3110. Co-requisite: NURS 4610. Introduction to organizational theory, socioeconomic political trends and healthcare delivery systems. Focusing on competent nursing practice in leading, managing in comprehensive care coordination of vulnerable populations.

- **NURS 4610 - Nursing Leadership and Care Management Clinical Laboratory**

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(3)

Pre-requisites: NURS 3100, 3110; Co-requisite: NURS 4600. Clinical nursing laboratory for application of nursing leadership and care management principles in healthcare settings (135 clinical hours).

- **NURS 4680 - Legal Aspects of Health Care Provision in California**

---

(2)

Prerequisite: Professional experience or upper division standing in a health related program. Exploration of legal aspects of health care provision: intentional torts, negligence and malpractice, practice acts, ethical-legal conflicts, and



litigation procedure.

- **NURS 4690 - Gerontology and the Law**

---

(3)

An overview of the legal issues affecting the elderly, including employment and mandatory retirement, discrimination, Medicare and healthcare, elder abuse and neglect, guardianship and powers of attorney, and end of life ethical dilemmas. Some sections of this course may be offered as hybrid or online.

- **NURS 4700 - Community/Public Health Nursing**

---

(3)

Prerequisite: Completion of 3000-level nursing courses or approval of instructor. Corequisite: NURS 4710. Synthesis of nursing theories and public health science applied to assessing and promoting the health of communities and aggregates at risk in the population, including the risks to communities from bio-terrorism.

- **NURS 4710 - Community/Public Health Nursing Lab**

---

(3)

Prerequisite: Completion of 3000-level nursing courses or approval of instructor. Corequisite: NURS 4700 and access to an insured automobile. Application of the nursing process, levels of prevention and public health theories and strategies in vulnerable clients, families, and aggregates.

- **NURS 4750 - Exploring Interprofessional Practices in Healthcare**

---

(3)

Explores practices from various professions (e.g. medicine, nursing, social work, nutrition etc.) and how these interact in healthcare settings which enhance patient and population outcomes. Develop skills and knowledge to enter healthcare environments.

- **NURS 4860 - Transition to Nursing Professional Practice**

---

(1)

Completion of 3000 level nursing courses. Corequisite: NURS 4870. Capstone course that integrates clinical decision making, critical thinking skills and theoretical knowledge for the professional transition into nursing practice. Focuses on integration, reflection and preparation for the professional role. Graded CR/NC.

- **NURS 4870 - Transition to Nursing Professional Practice Laboratory**

---

(3)

Prerequisites: Completion of 3000 level Nursing courses and completion. Clinical decision making and the integration of advanced medical-surgical nursing skills with selected patients in acute care settings is the focus of this capstone preceptor practicum. Graded CR/NC.

- **NURS 4900 - Introduction to Nursing Research**

(3)

Prerequisites: Blocks A2 and A3; a statistics course that included inferential statistical content. Nursing research process and concepts applicable to clinical practice; reading, analyzing and critiquing research; development of skills in writing professional nursing papers according to the conventions of the genre. Some sections may use technologically mediated instruction.

(wi)

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| Prefix:  | Code or Number: | Type  | Keyword or Phrase:   |
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| All prefixes... <input type="button" value="v"/> |                 | All types... <input type="button" value="v"/> | <input type="text"/> |
| Find whole word or phrase only.                  |                 |   |                      |

### Nursing (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **NURS 4980 - Advanced Cooperative Education**

(see UNIV 4980)

(1-4)

Advanced Cooperative Education

- **NURS 4980E - ELMN Cooperative Education**

(3)

Prerequisites: Successful completion of prior ABSN pre-licensure coursework except for last semester of program. Transition to Practice for ELMN (Entry Level Masters in Nursing), program participation in work experience integrated with academic program; facilitates transition to practice as a graduate nurse; minimum of 10 hours per week required for each unit. Student may apply for maximum of 3 units toward graduate degree program. Graded CR/NC

- **NURS 4990 - Undergraduate Directed Study**

(1-4)

Prerequisites: Instructor consent to act as sponsor; ability to assume responsibility for independent work and to prepare written and oral reports. Project selected with sponsor before registration; progress meetings held regularly. May be repeated to 20 units.

## **Nursing (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- **NURS 5020 - Role, Health Care & Policy**

---

(3)

Prerequisites: Admission to the MSN Program. Evaluating the Advanced Practice Nurse role and the influence on policy and health care delivery. Some sections of this course may be taught as a hybrid course.

- **NURS 5131 - Adult-Gerontology I Practicum**

---

(4)

Prerequisites: NURS 5730, NURS 5280 and NURS 5720. Co-requisite: NURS 5200. Students working with preceptors in primary care sites gain experience in assessment, diagnosis, management, education, health promotion and disease prevention for adult and geriatric clients with acute health problems. A total of 15 Seminar hours and 180 clinical hours will be required.

- **NURS 5132 - Adult-Gerontology II Practicum**

---

(5)

Prerequisites: NURS 5201; NURS 5131. Co-requisite: NURS 5202. Students work with preceptors in primary care sites to gain experience in assessment, diagnosis, management, education, health promotion and disease prevention for adult and geriatric clients with chronic health problems. A total of 15 Seminar hours and 225 clinical hours will be required.

- **NURS 5161 - Advanced Acute Care Management I for the Adult Gerontology Acute Care Nurse Practitioner**

---

(3)

Prerequisites: NURS 5660, 5720, 5730, 5280. Co-requisites: NURS 5171. This evidence-based theory course examines the diagnosis and management of adult and gerontology patients with both acute and chronic disorders involving the cardiovascular, pulmonary, and endocrine systems. May be offered in on-line or hybrid formats.

- **NURS 5162 - Advanced Care Management II for the Adult Gerontology Acute Care Nurse Practitioner**

---

(2)

Prerequisites: NURS 5161. Corequisite: NURS 5171. This evidence-based theory course examines the diagnosis and management of adult and gerontology patients with both acute and chronic disorders involving gastrointestinal system and shock. This course may be offered in on-line or hybrid format.

- **NURS 5163 - Advanced Acute Care Management III for the Adult-Gerontology Acute Care Nurse Practitioner**

---

(3)

Prerequisites: NURS 5161, 5171, 5162. Co-requisites: NURS 5173, 5164. This evidence-based theory course examines the diagnosis and management of adult and gerontology patients with both acute and chronic disorders involving the neurological, renal/genitourinary systems and numerous emergency states. This course may be offered in on-line or hybrid format.

- **NURS 5164 - Advanced Acute Care Management IV for the Adult-Gerontology Acute Care Nurse Practitioner**

---

(2)

Prerequisites: NURS 5161, 5162, 5171. Co-requisites: NURS 5163, 5172. This evidence-based theory course examines the diagnosis and management of adult and gerontology patients with both acute and chronic disorders involving common problems in acute care, immunologic/autoimmune diseases and psychosocial health issues.

- **NURS 5171 - Advanced Practicum I for the Adult-Gerontology Acute Care Nurse Practitioner**

---

(4)

Prerequisite: NURS 5730. Corequisites: NURS 5161, 5162. This clinical application course for Adult-Gerontology Acute Care Nurse Practitioner students emphasizes advanced assessment, differential diagnosis, management, treatment and education/counseling of adults and families with acute illnesses.

- **NURS 5172 - Advanced Practicum II for the Adult-Gerontology Acute Care Nurse Practitioner**

---

(5)

Prerequisites: NURS 5162, 5171. Corequisites: NURS 5163, 5164, 5251. This clinical application course for Adult-Gerontology Acute Care Nurse Practitioner students emphasizes advanced assessment, differential diagnosis, management, treatment and education/counseling of adults and families with acute illnesses.

- **NURS 5180 - Primary Care of the Family**

---

(4)

Prerequisites: NURS 5720, NURS 5280, and NURS 5730. Co-requisite: NURS 5181. This theory course integrates evidence in assessing and managing primary health care needs of diverse childbearing (pregnancy and postpartum) and childrearing (infancy through early adolescence) families. May be offered as hybrid or online.

- **NURS 5181 - Primary Care of the Family Practicum**

---

**(Care of Family Practicum)**

(3)

Prerequisites: NURS 5660, NURS 5720, NURS 5280, and NURS 5731. Corequisites: NURS 5180. Within a Family Nurse Practitioner framework, students gain experience in a clinical agency, building competency in assessing and managing primary health care needs of diverse childbearing and childrearing families.

- **NURS 5201 - Adult-Gerontology I**

---

(4)

Prerequisites: NURS 5731, NURS 5720, and NURS 5280. Corequisite: NURS 5131. Theories and evidence-based

practice related to the health promotion, disease prevention, assessment, differential diagnosis, management, and education of culturally diverse adult and aging patients with acute episodic health care problems encountered in ambulatory care clinics. Some sections of this course may be offered as hybrid or online.

- **NURS 5202 - Adult-Gerontology II**

---

(4)

Prerequisite: NURS 5201. Corequisite: NURS 5132. Theories and evidence-based practice related to assessment, diagnosis, management, health promotion, lifestyle changes, and disease complication prevention of the adult and aging patient with emphasis on chronic disease management as well as the socioeconomic, political, environmental, and cultural influences affecting care of this patient population. Some sections may be offered as hybrid or online.

- **NURS 5220 - Primary Care of Adolescents**

---

(1)

Co-requisite: NURS 5233. Assessment, diagnosis, management of adolescents with special health problems and their families within primary care settings; health promotion, disease prevention, and multidimensional problems; management strategies.

- **NURS 5221 - Primary Care of Children with Acute Health Problem**

---

(3)

Prerequisite: NURS 5720, NURS 5730, NURS 5280. Assessment, diagnosis and management of children with acute health problems and of their families, within primary care settings; health promotion, disease prevention, and multidimensional problems management strategies.

- **NURS 5222 - Primary Care of Children with Chronic Health Problems**

---

(3)

Prerequisite: NURS 5221. Assessment, diagnosis and management of children with chronic health problems and of their families, within primary care settings; health promotion, disease prevention, and multidimensional problems; management strategies.

- **NURS 5231 - Primary Care Practicum: Children with Acute Illness**

---

(2)

Corequisite: NURS 5221. Application of assessment knowledge and skills to appraise children and their families' health status; identification of acute health problems within primary care settings; management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 5232 - Primary Care Practicum: Children with Chronic Illness**

---

(2)

Corequisite: NURS 5222. Application of knowledge and skills to appraise children and their families' health status; identification of chronic health problems within primary care settings, management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 5233 - Primary Care Practicum: Adolescents**

---

(2)

Corequisite: NURS 5181. Application of assessment knowledge and skills to appraise adolescents' and their families' health status within primary care settings. Identification of health problems, management using multidimensional intervention strategies. Graded CR/NC.

- **NURS 5251 - Capstone Synthesis for the Adult-Gerontology Acute Care Nurse Practitioner**

---

(2)

Prerequisite: Completion of all coursework prior to the final semester of study. Corequisites: NURS 5163, 5164, 5171. This course provides learning activities that support synthesis and application of graduate theory and evidenced-based practice knowledge gained in required courses. May be offered as an on-line or hybrid course.

- **NURS 5252 - Capstone for the Primary Care NP**

---

(2)

Prerequisite: Completion of all coursework prior to the final semester of study. Corequisites: All final semester courses; This course provides learning activities that support synthesis, application and increased exploration of selected concepts and evidenced-based content in preparation for transition to advanced practice. May be offered as hybrid or online.

- **NURS 5260 - Advanced Nursing Management in Public Schools**

---

(3)

Prerequisite or Corequisite: NURS 5300. A theory-based course focusing on the roles and scope of practice of the school nurse as a manager and advocate within the organization and management of school health services. Special emphasis will be on the California Department of Education's curriculum requirements for Drug and Alcohol Education in the K-12 educational setting.

- **NURS 5280 - Pharmacology**

---

(3)

Prerequisites: NURS 5660, NURS 5270, 2nd semester. Pharmacokinetic principles and pharmacotherapeutic agents for promotion, prevention, diagnosis, and treatment of common client conditions encountered in primary care and acute health care settings. Some sections may use technologically mediated instruction.

- **NURS 5290 - Advanced Pediatrics Clinical Practicum**

---

(2)

Prerequisites: Completion of all pediatric theory and practicum courses, in last semester of study. A preceptored clinical practicum designed to enhance the application of theory and acquisition of clinical skills in pediatric primary care settings. Graded CR/NC.

- **NURS 5300 - Advanced Nursing Assessment in Public Schools**

---

(4)

Prerequisite or Corequisite: NURS 5260. This course focuses on the assessment and management of physical, psychosocial, environmental, and educational requisites, processes, and selected needs of the student.

- **NURS 5421 - Psychiatric Nursing Diagnosis and Treatment across the Lifespan**

---

(4)

Prerequisite: Admission to a Family Psychiatric Mental Health Nurse Practitioner Option. CoRequisite: NURS 5430. A Seminar that provides the FPMHNP student with a thorough understanding of the diagnosis, management and treatment of a client with a psychiatric disorder with a focus on individual treatment.

- **NURS 5422 - Group, Family, Community, and Agency Interventions in Psychiatric Nursing**

---

(4)

Prerequisite: NURS 5421 or permission of the faculty. Advanced psychiatric nursing evidenced based interventions with clients that are other than individuals. Students will learn principles of family development, family therapy, and organizational change.

- **NURS 5430 - Advanced Psychiatric/Mental Health Nursing Across the Life Span Practicum**

---

(1-5)

Prerequisite: Admission to the Psychiatric Mental Health NP Option. Corequisites: NURS 5421 or 5422 unless previously completed. Application of evidence based strategies for clinical decision making in assessment, diagnosis, and management of culturally diverse clients across the life span with problems in psychological, emotional, or social functioning. Must be repeated to maximum of 10 units.

- **NURS 5440 - Primary Care for Family Psychiatric Mental Health Nurse Practitioner (Primary Care for FPMHNP)**

---

(2)

Prerequisites: NURS 5660, NURS 5720, NURS 5730, NURS 5280. Corequisite: NURS 5441. A seminar to prepare psychiatric nurse practitioners to meet primary care needs of clients and recognize conditions requiring referrals. Course may be offered hybrid or online.

- **NURS 5441 - Psychiatric Mental Health Nurse Practitioner Primary care Practicum**

---

(2)

Prerequisites: NURS 5720, NURS 5730. Corequisite: NURS 5440. A primary care clinical experience with a preceptor focused on clients with chronic illness accompanied by mental health issues.

- **NURS 5450 - International Health Care Experience I**

---

(1)

Prerequisites: Elective. Student/faculty clinical application of assessment, diagnosis, management, and education/counseling of indigenous clients in their environment outside of the United States. Minimum B grade required for passing. May be repeated up to 3 units.



- **NURS 5540 - Special Topics in Nursing Lecture**

---

(1-6)

Prerequisite: Varies with specific lecture topic. Current lecture topics of special interest to NURS graduate students as announced in The Schedule of Classes. May be repeated for 6 units of credit as subject matter changes.

- **NURS 5541 - Special Topics in Nursing Practicum**

---

(1-12)

Prerequisite: Varies with specific topic. Current practicum topics of special interest to NURS graduate students as announced in The Schedule of Classes. May be repeated for 12 units of credit as subject matter changes.

- **NURS 5601 - Development of Educational Programs I**

---

(2)

Prerequisites: First year courses, 3rd semester. One year of clinical experience as RN. Development of nursing educational programs in collegiate, staff development and client settings; roles of nurse educator including instruction and evaluation roles.

- **NURS 5602 - Development of Educational Programs II**

---

(2)

Prerequisites: 4th semester, NURS 5601. Development of nursing educational program in collegiate, staff development and client settings; conceptual models for organization of nursing curricula; issues and trends in nursing education.

- **NURS 5640 - Advanced Concepts in Health Care Leadership and Management**

---

(3)

Prerequisites: MGMT 5100, MGMT 5335. An overview of theories and concepts necessary for effective health care supervision and management with emphasis on patient/client safety within and outside of the hospital. All sections use technologically mediated instruction.

- **NURS 5641 - Advanced Concepts in Healthcare Leadership and Management II**

---

(3)

Prerequisites: NURS 5640. Principles of human resource management, economics, quality outcome measurement, management and patient safety are applied to case-based analysis at the unit-level of hospital and health care organizations. All sections use technologically-mediated instruction.

- **NURS 5660 - Advanced Pathophysiology**

---

(3)

Prerequisite: 1st semester. Physical disease processes within human body; body's adaptive physiologic mechanisms resulting from pathophysiologic alterations; rationale for clinical intervention. Some sections may use technologically mediated instruction.

- **NURS 5720 - Advanced Assessment and Diagnostic Reasoning**

---

(3)

Prerequisites: Admission to MSN Program and Classification within an option. Corequisites: NURS 5730 Advanced Assessment Practicum. Advanced health assessment and health promotion using holistic and contextual perspectives to analyze the physical, psychosocial, developmental, and environmental needs of patients across the lifespan. May be offered as Online or Hybrid Course.

- **NURS 5730 - Advanced Assessment Practicum**

---

(3)

Prerequisites: Admission to the MSN Program and classification in an option. Corequisite: NURS 5720. Advanced Assessment Clinical application of advanced comprehensive health assessment, diagnostic reasoning, and health promotion knowledge and skills to culturally diverse patients.

- **NURS 5780 - Global Health Perspectives**

---

(3)

Prerequisite: Electives. Global nurse practitioner practice, meeting health care needs unique to developing, underserved nations and international travelers. Includes assessment, diagnosis, and management of tropical disease and health promotion/disease prevention.

- **NURS 5800 - Nursing Informatics**

---

(2)

Prerequisites: Admission to MSN program. This course focuses on use of information management technology, combined with nursing science to manage and process nursing data and knowledge to enhance the delivery of quality nursing care to clients. Some sections may be offered as a hybrid course.

- **NURS 5900 - Theory, Research & Practice**

---

(4)

Co-requisites: Advance Practice Core; Nursing theory, research utilization and research methods are used in the synthesis, analysis, evaluation and development of evidence-based practice and dissemination. Some sections of this course may be taught as a hybrid or online.

- **NURS 5950 - Education Field Study**

---

(1-9)

Prerequisite: 3rd and 4th semester. Experience in specialized clinical and functional areas assigned on an individual basis. Weekly tutorial sessions required for student-teacher synthesis of data from concurrent seminar and field experience. Graded CR/NC.

- **NURS 5960 - Comprehensive Examination**

---

(0)

Prerequisite: N596 semester conversion. See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **NURS 5970 - Graduate Research**

---

(1-3)

Prerequisites: 3rd semester. Independent research under guidance of faculty sponsor. May be repeated for credit. Graded CR/NR only.

- **NURS 5980 - Graduate Directed Study**

---

(1-2)

Prerequisite: Elective. Directed study of advanced topics in field; regularly scheduled conferences with sponsor. May be repeated to maximum of 8 units.

- **NURS 5990 - Thesis or Project**

---

(1-2)

Prerequisites: NURS 5900 4th semester. Independent research resulting in a thesis or project. Must be repeated to maximum of 3 units. Graded CR/NC.

#### **Nutritional Science (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the School and approval of the graduate adviser: NTRS 4790*

- **NTRS 2100 - Foundations of Food**

---

(3)

Introduction to foods as a profession. Principles and procedures of food preparation including selection, storage, food sanitation, product evaluation, and meal management. Lecture 2 hours, laboratory 5 hours.

**GE BLOCK E**

- **NTRS 2500 - Human Nutrition**

---

(3)

Nutrition and its relation to health, behavior, growth, development, and aging. No credit towards nutrition majors. Some of the sections of the course may be taught online.

**GE E**

- **NTRS 3120 - Cultural Cuisine**

---

(3)

Prerequisite: NTRS 2100. Cultural food patterns represented regionally, nationally and internationally; food choices, typical dishes, menus, nutritional aspects, purchasing, preparation techniques, equipment, and significance in cultural settings. Lecture 3 hours, laboratory 2 hours.

**UD BLOCK C**

- **NTRS 3150 - Communication Skills in Dietetics**

---

(3)

Prerequisites: PSY 1500. Basic communication skills needed by dietitian; sociopsychological aspects of nutritional care in outpatient or clinical setting. Lecture 2 hour, laboratory 2 hours.

- **NTRS 3170 - Fundamentals for Human Nutrition**

---

(3)

Prerequisites: BIOL 2010, BIOL 2020 and CHEM 1010. Scientific role of nutrients in the body and in development, growth and maturation. Some sections of this course may be offered online.

- **NTRS 3510 - Adult Nutrition**

---

(3)

Prerequisite: Completion of G.E. Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Nutritional needs and common diseases afflicting adults; promotion of adult health by nutritional intervention.

**GE UD B**

- **NTRS 3570 - The Changing Food Supply: Impact on Health**

---

(3)

Prerequisites: Completion of GE (Blocks A) and B4, and one additional course from Block B, and at least once course each from Blocks C and D. Changing food consumption patterns since our ancient ancestors, and the subsequent impact on health. Agricultural systems and food availability, and their impact on today's established cultural food habits will be explored. Some sections of this course may be taught online.

**GE UD B (d)**

- **NTRS 4100 - Experimental Foods**

---

(3)

Prerequisites: NTRS 2100 and CHEM 1020. Application of scientific principles to experimental methods in food preparation and recipe analysis. Lecture 2 hours, laboratory 6 hours.

- **NTRS 4130 - Maternal and Child Nutrition**

---

(3)

Prerequisite: NTRS 3170. Nutritional requirements of pregnant women and of children; nutrition-related health considerations.

- **NTRS 4140 - Institutional Food Service**

---

(4)

Prerequisites: NTRS 2100, NTRS 3170, MICRO 1010. Introduction to organization and management of quantity food service, including menu writing, food safety, and quantity food preparation.- Lecture 3 hours, Lab 3 hours.

- **NTRS 4150 - Medical Nutrition Therapy**

---

(3)

Prerequisites: NTRS 2100, NTRS 4175 or concurrent enrollment in NTRS 4175. Nutritional intervention in disease processes; special emphasis on interrelationships between pathophysiology of disease processes and dietary modifications. Lecture 3 hours, laboratory 3 hours.

- **NTRS 4155 - Medical Nutrition Therapy II**

---

(3)

Prerequisites: NTRS 4150. Nutritional intervention in disease processes; special emphasis on interrelationships between pathophysiology of disease processes and dietary modifications. Lecture 3 hours, laboratory 3 hours.

- **NTRS 4160 - Child Nutrition**

---

(3)

Prerequisite: CHDV 2200. Nutritional needs of pregnant and lactating women and of children from conception through adolescence; strategies for nutrition education in early childhood.

- **NTRS 4170 - Advanced Nutrition I**

---

(3)

Prerequisites: NTRS 3170, BIOL 2020, CHEM 3000, MICR 1010. Scientific bases for nutritional needs of humans; factors involved in meeting such needs in individuals and population groups; metabolic factors in nutrition.

- **NTRS 4175 - Advanced Nutrition II**

---

(3)

Prerequisites: NTRS 4170. Scientific bases for nutritional needs of humans; factors involved in meeting such needs in individuals and population groups; metabolic factors in nutrition.

- **NTRS 4176 - Nutritional Assessment Laboratory**

---

(1)

Prerequisites: NTRS 3170, BIOL 2020, CHEM 3000, MICR 1010, each with a minimum C grade. Laboratory experience in nutritional assessment using anthropometric, dietary, biochemical, and clinical tests and criteria.

- **NTRS 4180 - Community Nutrition**

---

(3)

Prerequisite: NTRS 3170. Community nutrition problems, agencies, and programs. Service learning course. Lecture 3 hours, activity 2 hours. A total of 40 hours of service learning required.

- **NTRS 4190 - Supervised Practice in Dietetics I**

---

(8)

Prerequisites: Coordinated Dietetic Students (CDP), NTRS 4155, NTRS 4340, and NTRS 4790; co-requisite: NTRS 4250. A series of intensive learning experiences in food service administration, public health facilities, nutritional

intervention in hospitals and long term care facilities. Supervised experience 24 hours weekly with a concurrent professional weekly CDP Dietetics Seminar. Lecture 2 hours; supervision 24 hours.

- **NTRS 4220 - Supervised Practice in Dietetics II**

---

(8)

Prerequisites: Coordinated Dietetic Students (CDP), NTRS 4155, NTRS 4190, NTRS 4340, NTRS 4790; co-requisite: NTRS 4250. A series of intensive learning experiences in food service administration, public health facilities, nutritional intervention in hospitals and long term care facilities. Supervised experience 24 hours weekly with a concurrent professional weekly CDP Dietetics Seminar. Lecture 2 hours; supervision 24 hours.

- **NTRS 4250 - Seminar: Dietetics**

---

(2)

Prerequisites: NTRS 4150, NTRS 4155, NTRS 4340, NTRS 4790; Corequisite: NTRS 4190 and NTRS 4220. Selected professional topics in food service administration and nutritional care.

- **NTRS 4300 - Sports Nutrition**

---

(3)

Prerequisite: BIOL 2010, BIOL 2020 or equivalent. Advanced topics in nutrition as related to athletic performance; current research on energy nutrient requirements and caloric distribution, fluid needs, ergogenic aids, supplementation, pre/post event meals, and biochemical pathways.

- **NTRS 4340 - Management Principles in Dietetics**

---

(4)

Prerequisite: NTRS 4140 and NTRS 4145. Principles of management for quality food service systems. Lecture 3 hours, laboratory 6 hours.

- **NTRS 4380 - Food-Borne Illnesses: Etiology, Prevention and Control**

**(also listed as HS 4380)**

---

(3)

Prerequisites: MICR 1051, MICR 2010, and MICR 2020. Food-borne diseases and their causes, control and prevention.

- **NTRS 4510 - Nutrition and Aging**

---

(3)

Prerequisite: NSS1300, CHEM 1000 or CHEM 1010. Relationship of nutrition to aging and diseases common among elderly; nutritional needs and problems of elderly.

- **NTRS 4540 - Selected Topics in Nutritional Science**

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(1-4)

Current topics of special interest in Nutritional Science as announced in Schedule of Classes. May be repeated for 16 units of credit as subject matter changes.

- **NTRS 4541 - Selected Topics in Nutritional Science**

---

(1-4)

Current topics of special interest in Nutritional Science as announced in Schedule of Classes. May be repeated for 16 units of credit as subject matter changes.

- **NTRS 4620 - Alternative Nutrition**

---

(3)

Prerequisite: NTRS 2500 or NTRS 3170. Nutritional implication of alternative dietary behavior in health promotion and disease prevention; incorporation of functional foods, dietary supplements and medicinal herbs into nutrition as complementary care.

- **NTRS 4630 - Functional Foods for Health**

---

(3)

Prerequisite: NTRS 2500 or NTRS 3170. Use of foods and biological active ingredients for treatment and prevention of diseases; non-nutritive and biochemical constituents of foods to protect human health.

- **NTRS 4650 - Medicinal Herbs and Nutrition**

---

(3)

Prerequisite: NTRS 2500 or NTRS 3500. Nutritional implication of medicinal herbs in health promotion and disease prevention; incorporation of medicinal herbs as complementary treatment option in dietetics.

- **NTRS 4670 - Functional Food Design for Health**

---

(3)

Prerequisite: NTRS 2500 or NTRS 3500. Physiological and food industry perspectives of functional food and health promoting food recipes; biochemical, technological and marketing aspects of functional foods in health promotion and disease prevention.

- **NTRS 4790 - Professional Interactions and Writing Skills**

---

(3)

Prerequisites: NTRS 3170, NTRS 2100, PSY 1500, COMM 1100, and Blocks A2 and A3. Role of the dietitian/nutritionist as an educator on the health care team, with emphasis on the development of written and oral communication skills. Lecture 3 hours, activity 2 hours.

**(wi)**

- **NTRS 4910 - Advanced Community Nutrition: Program Planning and Evaluation**

---

(3)

Prerequisites: NTRS 4130, NTRS 4180 and WPE This course builds on concepts learned in NTRS 418, Community Nutrition. The focus of this course is program planning, intervention and evaluation of community nutrition programs, especially amongst underserved neighborhoods. Seminar 2 hours, activity 4 hours.

- **NTRS 4930 - Grant Writing in Community Nutrition**

---

(3)

Prerequisites: NTRS 4130, NTRS 4180, and NTRS 4790. Roles of the community and clinical nutritionists/dietitian in grant writing. Working with local community agencies to write and submit grants in the field is required. Lecture 2 hours, activity 4 hours

- **NTRS 5330 - Advanced Nutritional Counseling**

---

(3)

Prerequisites: PSY 1500. Must be a CDP Student. Advanced communication skills and topics in dietetics; sociopsychological aspects of nutrition care in outpatient or clinical setting. Lecture 2 hours, activity 3 hours.

### **Nutritional Science (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the School and approval of the graduate adviser: NTRS 4790 Classified graduate standing is required for admission to 5000-level*

- **NTRS 5110 - Research Concepts and Methodology in Nutritional Science**

---

(3)

Prerequisites: NTRS 4100, NTRS 4150, NTRS 4170, NTRS 4175, NTRS 4176, KIN 5030 or equivalent. Examination of research methodology within conceptual framework of nutritional science; utilization of the tools of research; review and critique of research reports; development of a research proposal and pilot project. Lecture 3 hours, activity 2 hours.

- **NTRS 5130 - Advanced Problems and Topics in Nutritional Science**

---

(3)

Prerequisites: NTRS 4100, NTRS 4150, NTRS 4155, NTRS 4170, NTRS 4175, NTRS 4176. Contemporary problems and topics in nutritional science.

- **NTRS 5190 - Seminar: Special Topics in Food and Nutritional Science**

---

(3)

Prerequisites: 6 units of 4000 or 5000-level courses in nutrition, food, dietetics. Selected topics in nutrition, food, and dietetics. (May be repeated as subject matter changes to maximum of 12 units.)

- **NTRS 5210 - Advanced Topics in Eating Behaviors**

---

(3)

Prerequisite: NTRS 4170 and NTRS 4175. An examination of current research trends and health problems associated with eating behaviors such as dieting, disordered eating, compulsive overeating, restrictive eating and unusual diet practices.



- **NTRS 5230 - Advanced Topics in Dietetic Management**

---

(3)

Prerequisites: NTRS 4140, 4340 or equivalent. Topics in foodservice and dietetic management will be examined, including trends, regulatory agencies, legislations, current research and controversies.

- **NTRS 5250 - Advanced Topics in Food Science and Technology**

---

(3)

Prerequisite: NTRS 4100. Current developments in food chemistry, food engineering and physical properties, food microbiology and safety, and sensory and nutritive qualities of foods.

- **NTRS 5270 - Nutritional Epidemiology**

---

(3)

Prerequisite: Basic statistics course. Critical reading of nutritional epidemiology research. Basic research methods will be reviewed, and issues in design, analysis, and interpretation unique to nutritional epidemiology are addressed.

- **NTRS 5950 - Fieldwork in Nutritional Science**

---

(1-3)

Prerequisites: School approval; agency/business acceptance, and 23 units of upper division or graduate level units. Supervised experience at supervisory level. Four hours per week required for each unit. May be repeated to a maximum of 6 units. Combined units of 4950, 5950, 5970, 5980, and 5990 may not exceed 15 units. Graded CR/NC.

- **NTRS 5960 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **NTRS 5970 - Graduate Research**

---

(1-3)

Prerequisites: NTRS 5110, instructor consent to act as sponsor, School approval of project before registration. Independent research under faculty guidance. May be repeated to maximum of 6 units; combined 5870 / 5980 units may not exceed 9 units; combined 5950, 5970, 5980, 5990 units may not exceed 15 units. Graded CR/NC.

- **NTRS 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: NTRS 5970, instructor consent to act as sponsor; School approval of topic prior to registration. Independent directed study of advanced topics. May be repeated to maximum of 6 units: combined 5970 and 5980 units may not exceed 9 units; combined 5950, 5970, 5980, and 5990 may not exceed 15 units.

- **NTRS 5990 - Thesis or Project**

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(1-4)

Prerequisites: NTRS 5110 or KIN 5040, NTRS 5130, advancement to candidacy, minimum 3.0 GPA, instructor consent to act as sponsor, School approval of topic before registration. Independent research resulting in thesis or project; oral thesis defense required. May be repeated to maximum of 6 units; combined 5950, 5970, 5980, 5990 units may not exceed 15. Graded CR/NC.

• **NTRS 9000 - Graduate Studies**

(0)

Prerequisite: NTRS 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

**Pan-African Studies (Undergraduate)**

• **PAS 1020 - The African Diaspora in the Americas**

**Also listed as LAS 1020**

(3)

This course examines the diversity among the varied people of African descent in the Americas and their relationship to the dominant society.

**GE D (re)**

• **PAS 1100 - Racial Equality, Government and the Constitution**

(3)

This course examines the role of the U.S. Constitution and state governments in restricting and advancing racial equality. Particular attention is given to California state and local governments.

**GE D AM (re) (cl)**

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|--|--|--|--|---|---|
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**Course Filter**

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### Pan-African Studies (Undergraduate)

- **PAS 1200 - Elementary African Language and Culture**

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(3)  
Presentation of fundamental structure of language through hearing, speaking, reading and writing a major African language. Introduction to the customs, culture, and language of a major African ethnic/cultural groups.

**GE C2 (re)**
- **PAS 1400 - Introduction to Globalization, Race, and Place**

(also listed as AAAS 1400, CHS 1400, and LAS 1400)

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(3)  
Explores the role of race in structuring social relations around the globe, with special focus on the globalization of discourses about race and its intersectionality with socioeconomic class and gender.

**GE D (re)**
- **PAS 1500 - Black Oral Traditions and Communication**

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(3)  
Through historic and contemporary analyses and engaged practice, students will be introduced to African, African-American, and African diasporic oral traditions, ranging from sermons to rap.

- **PAS 1510 - African American History**

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(3)

This course explores the history of African Americans, from the beginning of the nation to the present, including periods of enslavement, Jim Crow, Civil Rights, and post-Civil Rights.

**GE C AM (re)**

- **PAS 1800 - Critical Race Theory**

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(3)

This course introduces critical race theory as a framework for analyzing race in the United States and the relationship between race, ethnicity, gender and class and power and resource allocation.

**GE D (re)**

- **PAS 2010 - Third World Literature**

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(3)

Critically survey cultural representations, themes, and techniques of Third World literature and their Western diaspora writers.

**GE C2; (re); (wi)**

- **PAS 2020 - African American Religion as Civic Culture**

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(3)

Engages African American religion as a unique civic culture, emphasizing social justice and liberation theology traditions embedded in Black religious practice.

**GE C2 (re)**

- **PAS 2210 - African American Music as History and Criticism, African American Music**

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(3)

Relates definitive styles of African American music to their original historical and social contexts as well as to assessments of each genre's influence on Black identity and race relations.

- **PAS 2500 - African History**

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(3)

The course will cover the major themes of African history, including cultures, peoples, major events and political realities, from the origin of humanity and African civilization to contemporary Africa.

**Lower Division, Block D-Social Science; Race and Ethnicity Designation (re)**

- **PAS 2600 - Third World Images in Film**

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(3)

Examination of historical and contemporary film portrayals of peoples of Africa, Asia, Latin America and the Middle East. Emphasis on Emerging World and U.S. feature documentary and story films.

**GE C1 (re)**

- **PAS 3020 - Black and Latino and Latin American Relations**

**(also listed as LAS 3020)**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course explores the historic and contemporary relationships between Black and Latino and Latin American people throughout the Americas in-class work, civic learning, and community engagement.

**GE UD D (re) (cl)**

- **PAS 3050 - Black Feminism and Womanism**

**WGSS 3050**

---

(3)

Examines ideas associated with Black feminism and womanism - social foundations of Black women's consciousness, Black male-female relations and engagement with other feminisms, both mainstream and amongst women of color.

**GE UD C (re)**

- **PAS 3070 - Black Manhood and Masculinity**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Constructed on the assumption that Black manhood is contested terrain, this course examines the historical, cultural, political, and social influences on the status of Black manhood in the U.S.

**GE UD C (re)**

- **PAS 3350 - Race and Culture in the Americas, Race Culture Americas**

**(LAS 3350)**

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(3)

Prerequisites: completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Comparative study of race and ethnicity as expressed in the arts and culture of Latin America, the Caribbean, and the United States.

**GE UD C (re)**

- **PAS 3420 - Cultural Impact of Development**

**(also listed as LAS 3420)**

---

(3)

Prerequisites: Completion of Block A, block B4 and one course each from C, and D plus an additional course from block B. Impact of colonialism, neocolonialism and globalization on art, literature, music and identity in developing nations, especially in Africa and Latin America.

**UD GE C; (re)**

- **PAS 3480 - Race, Class, and Gender**

**(also listed as AAAS 3480)**

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(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the social construction of race, class and gender and the systems that maintain privilege and oppression. Explores methods to counter oppression and empower people who have been historically oppressed.

**GE UD D (re)**

- **PAS 3600 - Dynamics of Change in the Developing World**

**(also listed as LAS 3600 and POLS 3600)**

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(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. How the Third World developed and how it is changing in relation to the rest of the world.

**GE UD D (re)**

- **PAS 3690 - Race, Activism, and Emotions**

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. With reference to historic and contemporary movements for racial justice, this course examines how human emotions both shape, and are shaped by, individual and group action.

**GE UD D (re) (cl)**

- **PAS 3715 - Rethinking the 'Welfare Queen:' Race, Gender, and Poverty in the US**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Interdisciplinary study of gender, race, poverty and welfare policy in the United States. Critical examination of the politics of poor motherhood, with a focus on African American and Latina women and their families.

**GE UD D; (re); (cl)**

- **PAS 3800 - Education and Development in Africa**

(3)

Prerequisites: completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A study of the educational system in Africa with emphasis on the social, economic and political factors influencing educational objectives and strategies.

**GE UD D (re)**

- **PAS 3810 - Literary Explorations of Racism and Justice**

**(also listed as ENGL 3810)**

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(3)

Prerequisites: Completion of Basic Subjects (Block A) and one course from Block C. Analysis of the literary depiction of racism and justice, with emphasis on the treatment of civil rights issues in fiction, drama, and poetry.

**UD GE C; (re)**

- **PAS 3822 - Ethnicity and Emotions in U.S. Film**

**(also listed as ENGL 3822)**

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(3)

Prerequisites: Completion of Block A and B4, plus an additional course from Block B and one course each from Blocks C and D. Critical Analysis of the Representation of Ethnicity and Emotions in U.S. Film.

**UD GE C; (re)**

- **PAS 4000 - Psychology and African Americans**

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(3)

An examination of psychological research/theory relevant to African Americans, particularly the impact of racial discrimination on identity, class, gender, sexual orientation, biracialism, family-community relations, education, and mental health.

- **PAS 4010 - Topics on Education and African American Advancement**

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(3)

Exposes students to controversies over education as a factor in African American advancement, including desegregation, busing, community control, inner-city education, affirmative action, performance ratings, multiculturalism, charter schools, vouchers and others.

- **PAS 4020 - Black Political Economy**

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(3)

Examines American capitalism and government policy in relation to racial discrimination and inequality; course also explores strategies of economic empowerment and social justice in the Black experience.

- **PAS 4030 - The Black Intellectual Tradition**

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(3)

A comprehensive survey of the modern Black intellectual tradition and relevant social movements, including thinkers associated with nationalism, socialism, communism, liberalism, populism, feminism, Pan-identity, conservatism and other approaches to thought.

- **PAS 4040 - The Black Family**

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(3)

Examines transitions of the African American family from slavery to the present, including distinctive structures/values and interpretations of its African heritage.

- **PAS 4060 - Black Women Leaders in Thought and Politics**

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(3)

Highlights the civic engagement of Black women in America and comparative contexts. The course emphasizes Black gender identity as an influence on political, religious, social, professional and intellectual activism.

- **PAS 4080 - Black Sexuality**

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(3)

This course stands as an interdisciplinary analysis of the complex relationship between Blackness, gender and sexuality, including systemic impositions and spaces of Black resistance.

- **PAS 4090 - Black Labor**

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(3)

A comprehensive study of Black people and labor in the United States and globally. Examines the racialization of labor and the accompanying systems of privilege and oppression.

- **PAS 4100 - Black People and Islam**

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(3)

An in-depth exploration into the interaction between Islam and the Black community in the United States and globally.

- **PAS 4110 - African Spirituality in Theory and Practice**

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(3)

African Spirituality in Theory and Practice is an examination of ancient and contemporary African spiritual systems looking at their origins, continuation throughout the diaspora, and manifestations in major world religions.

- **PAS 4120 - Third World Women and Development**

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(3)

Prerequisites: Upper division standing: ANTH 2500 recommended. The status and role of Third World women in societal development with primary emphasis on Black women in developing countries.

- **PAS 4160 - Pan Africanism and World Politics**

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(3)

The interplay of Pan-Africanism as a cultural and sociopolitical movement in world politics.

- **PAS 4170 - Hip-Hop as Political Expression**

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(3)

Course examines rap/Hip-Hop music as a form of political expression, with special emphasis on its domestic and international influence among youth in marginalized communities.

- **PAS 4200 - African Foundations of African American Culture**

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(3)

Exploration of existence of Africanisms, retentions, and syncretisms in the New World and their relationship to contemporary events and society.

- **PAS 4210 - African American Music as History and Criticism**

---

(3)

Relates definitive styles of African American music to their original historical and social contexts as well as to assessments of each genre's influence on Black identity and race relations.

**GE C1 (re)**

- **PAS 4220 - Themes in Black Literature**

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(3)

Analysis and discussion of representative works of Black authors from 18th century to present.

- **PAS 4270 - Black Film**

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(3)

An in-depth exploration of Black Filmmakers from the early 20th Century to present and the social and political background from which these filmmakers have emerged. Technical and critical perspectives will be emphasized.

- **PAS 4400 - Power and the African American Community I**

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(3)

Study of power relations in African American communities, including the interactions between community and dominant institutions.

- **PAS 4410 - Power and African American Communities II: Field Research**

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(3)

Prerequisite: PAS 3690 or PAS 4400 recommended. Supervised study and field research on topics relevant to power in African American communities.

**GE (wi)**

- **PAS 4560 - Politics of the Caribbean and Central America**

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(3)

Prerequisite: POLS 1500. Political development and dependency in the Caribbean and Central America.

- **PAS 4800 - Afro-Latin America; Afro-Latin America**

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**Also listed as LAS 4800**

(3)

The histories and diversity of experiences and identities of people of African descent in Latin America, migration of Afro-Latin Americans to the U.S.

- **PAS 4850 - Anti-colonial Movements**

**Also listed as AAAS 4850 and LAS 4850**

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(3)

Prerequisite: LAS 1500 or permission of instructor. The course considers organized resistance to European imperial and colonial empires among subalterns. Special attention is given to Asian, African, and Latin American regions.

- **PAS 4900 - Special Topics**

(3)

Prerequisite: Instructor consent. Presentation and discussion of academic papers relating to given topic; lectures aimed at critical analysis and appraisal. May be repeated once for credit.

- **PAS 4950 - Senior Thesis**

(3)

Prerequisite: Senior standing or Department consent. Senior thesis course. Cohorted students will work on individual thesis projects with a Pan-African focus. Course emphasizes research techniques, problem identification, hypothesis formulation, data gathering/analysis, effective writing and academic standards of format/style.

**GE (wi)**

- **PAS 4990 - Directed Study**

(3)

Prerequisites: Minimum of 8 units in Pan-African Studies, 3.0 grade point average, senior or graduate standing, consent of full-time faculty member to serve as sponsor, and recommendation of department chairperson. Term project selected in conference with sponsor, progress meetings held regularly, final report required. May be repeated to maximum of 8 units.

**Philosophy (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **PHIL 1510 - Philosophical Ideas: Knowledge and Reality**

(3)

An examination of major philosophical issues concerning knowledge and reality, such as skepticism, belief, truth, the existence of God, personal identity, and the mind/body problem. Some hybrid sections to be offered.

**GE C2**

- **PHIL 1520 - Philosophical Ideas: Human Values**

(3)

An examination of philosophical issues concerning human values, such as relativism, the good life, and value conflicts. Some hybrid sections to be offered.

**GE C2**

- **PHIL 1600 - Critical Thinking and Composition**

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(3)

Completion of A2. Logical analysis of language and critical evaluation of arguments in everyday language; deductively valid and invalid argument forms; rudiments of inductive logic and scientific reasoning; informal fallacies. Continue to develop writing skills introduced in Composition I. Students will develop analytical, critical, and information-literacy skills necessary for writing an academic paper containing a well-supported argument. Some sections may be offered online, some sections may be offered as hybrid.

**GE A3**

- **PHIL 2000 - Introduction to Comparative Religions**

**(Also listed as RELS 2000)**

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(3)

Methods and concepts in comparative religions; multidisciplinary approaches to the study of ancient and contemporary religious phenomena in diverse societies.

**GE C2;(d)**

- **PHIL 2100 - The Self in Philosophy and Literature**

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(3)

Themes of meaning and identity explored through literary and philosophical works: Nietzsche, Kafka, Marx, Woolf, Conrad, etc. Attention to the aims and methods of the philosophical and literary arts.

**GE C2**

- **PHIL 2200 - Contemporary Moral and Social Issues: An Intersectional Approach**

---

(3)

Philosophical examination of values, assumptions, and arguments concerning moral and social issues. Intersections with race, ethnicity, gender, class, and sexuality. Possible topics include, reproductive rights, poverty, marriage, identity politics, and justice. May include optional service-Learning. Some hybrid sections to be offered.

**GE C2; (d)**

- **PHIL 2230 - Diversity and Justice**

---

(3)

Philosophical examination of justice and its relations to individual, social and political treatment of differences in race and ethnicity. Intersections with gender, sexuality, and class are considered. May include optional service learning.

**GE C2; (re)**

- **PHIL 2300 - Meanings of Human Life: An Intersectional Approach**

---

(3)

Investigation into diverse meanings of life. Emphasis on accounts of the self and world, intersections with race, ethnicity, gender, class, sexuality and age, and connections between philosophy and life experience. May include optional service learning.

**GE E; (d)**

- **PHIL 2400 - Philosophy of Film**

---

(3)

Philosophical investigation of film as an art form, including representation, aesthetic experience, form, and critical evaluation. Focus on themes of freedom, identity, and community through diversity of human experience.

**GE C1; (d)**

- **PHIL 2500 - Introduction to Symbolic Logic**

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(3)

Introduction to modern symbolic logic and its relation to everyday language; methods of establishing the logical content of statements and of analyzing and/or criticizing arguments for validity and invalidity.

- **PHIL 2510 - Reasoning with Formal Systems**

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(3)

Prerequisite: MATH 91. This course introduces students to reasoning with formal systems: deductive and inductive reasoning, symbolic systems, the distinction between syntax and semantics, proofs and models, probability and statistics.

- **PHIL 3000 - Philosophical Research and Writing**

---

(3)

Student must be a declared major or minor in philosophy. Instruction and practice in philosophical analysis, research, and writing; survey of various forms of philosophical writing; reading, research, and writing strategies; preparation for advanced course work in philosophy.

**(wi)**

- **PHIL 3040 - Ethics I**

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(3)

Analysis of empirical and normative factors involved in choice, types of ethical theory, nature of moral standards and judgments.

- **PHIL 3110 - History of Ancient Philosophy**

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(3)

Development of philosophical thought from the pre-Socratics to Plotinus; principal thinkers, major problems, and dominant trends in Western thought.

- **PHIL 3130 - History of Modern Philosophy**

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(3)

Prerequisite: One PHIL course. Development of philosophical thought from the Renaissance to Kant; principal thinkers, major problems, and dominant trends in Western thought.

- **PHIL 3210 - Ancient Thought and its Modern Legacy**

---

(3)

Upper division standing and completion of basics subjects (GE Block A). Major themes in classical thought and their ongoing influence, for example, the development of self-consciousness, the concept~ of rationality and scientific method, human values and the meaning of life.

**UD GE C**

- **PHIL 3250 - Violence and Ethics**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Philosophical examination of the nature of individual and societal violence including physical and psychological violence. Ethical issues: justification of violence, responsibility for violence, treatment or punishment. Moral psychology of violence.

**UD GE C**

- **PHIL 3270 - Philosophy, Gender and Culture: An Intersectional Approach**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Philosophical investigation into the concept of gender, the metaphysical, moral and political issues raised by it as they intersect with race, ethnicity, class, and sexuality. May include optional service learning. Some hybrid sections to be offered.

**UD GE C; (d)**

- **PHIL 3290 - Philosophy, Race, and Ethnicity: An Intersectional Approach**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Philosophical investigation into the concepts of race and ethnicity, the metaphysical, moral and political issues raised by them as they intersect with gender, class, and sexuality.

**UD GE C; (re)**

- **PHIL 3330 - Engaged Philosophy: An Intersectional Approach**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Engaged philosophical investigation into social issues. Focus on the intersectional ways that gender, race/ethnicity, and class are embodied in diverse human experiences and identities.

**UD GE C; (d); (cl); (wi)**

- **PHIL 3540 - Special Topics in Philosophy**

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(1-4)

Prerequisite: As needed for specific topic. Topics of special interest in philosophy as announced in Schedule of Classes.  
May be repeated to a maximum of 8 units for credit as subject matter changes.

- **PHIL 3690 - The Philosophy of Sex: An Intersectional Approach**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Philosophical investigation into the nature of sex, sexuality, and sexual orientation, and the metaphysical, ethical, and political issues raised by them as they intersect with gender, race, ethnicity and class.

**UD GE C; (d).**

- **PHIL 3710 - The Nature of Consciousness**

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(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course introduces students to philosophical issues concerning the nature of conscious experience and its relation to the brain. Some hybrid sections to be offered.

**UD GE C**

- **PHIL 3720 - Philosophy and the Emotions**

---

(3)

The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Philosophical examination of the nature of emotion; exploration of emotions such as anger, fear, love, shame, jealousy. Relations among emotion, reason, action, character and self-control. Contributions of nature and culture.

**UD GE C**

- **PHIL 3730 - Adult Life and Aging**

---

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Maturity and aging explored philosophically through perspectives of race, ethnicity, class, and gender. Challenges of adult life such as personal relations, self-understanding and responsibility, death and dying, meaningfulness of life.

**UD GE C; (d)**

- **PHIL 3800 - Ancient and Modern Science**

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**(Also listed as HIST 3800 and CHEM 3800).**

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. A systematic analysis of ancient scientific thought and its relationship to modern science.

**UD GE B**

- **PHIL 3850 - Measurement of Human Difference**

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**(Also listed as ANTH 3850)**

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Exploration of issues of diversity and justice through examination of popularized accounts of scientific research into human difference; topics include I.Q. testing and race, innate gender differences, and sexuality.

**UD GE B; (re)**

- **PHIL 3900 - The Birth of Modern Physics**

---

(3)

Prerequisites: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. In this course we will examine the birth of modern physics, the advent of quantum mechanics and relativity, and the ramifications of these theories for the world.

**UD GE B**

- **PHIL 3950 - Philosophy in Practice: Internships and Service Learning**

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(1-2)

Prerequisite: Consent of instructor and, for service learning, clearance through EPIC. Experiential learning for philosophy majors/minors. Service to legal clinics, courts, schools, law enforcement, art organizations, youth, senior centers, etc. Traditional pre-law internships also available. Written reflection and meetings with instructor. May be repeated up to a maximum of 6 units. Graded CR/NC

- **PHIL 4001 - Journal Editing and Production**

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(1-3)

Prerequisite: Invitation by the Philosophy Department. Overview of the techniques for producing a philosophical essay; peer review and copy editing techniques Class will assist in producing a volume of the student philosophical Journal. May be repeated for credit. Permit required.

- **PHIL 4002 - Advanced Philosophical Writing and Journal Production**

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(1-3)

Prerequisite: PHIL 3000 or Graduate Standing. Invitation by the Philosophy Department. Advanced writing techniques, focusing on the production, evaluation, and revision of philosophical essays; peer review and copy editing techniques. Class will produce a volume of the student philosophical journal. May be repeated for credit. PERMIT REQUIRED.

**(wi)**

- **PHIL 4040 - Inductive Logic**

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(3)

One PHIL course. Analysis of induction and probability in everyday affairs and in science, systematic development of inductive logic, elements of the probability calculus and applications, philosophical issues in inductive logic.

- **PHIL 4050 - Symbolic Logic**

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(3)

Prerequisite: PHIL 2500. Logic and language, nature of argument, meaning and truth, propositional calculus, and predicate calculus.

- PHIL 4060 - Advanced Logic

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(3)

Prerequisite: One PHIL course. Selected topics in logic; e.g., identity, definite descriptions, foundations of mathematics, metalogic, philosophical logic, as announced in Schedule of Classes. May be repeated as content changes.

- PHIL 4100 - Social and Political Philosophy

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(3)

Prerequisite: One PHIL course. Philosophical foundations of social and political thought; analysis of such concepts as state, law, obligation, and sanction, and their relation to issues in metaphysics, theory of knowledge, and ethics.

- PHIL 4130 - Issues in Feminist Philosophy

**(Also listed as WGSS 4130)**

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(3)

Prerequisite: One PHIL course. Central philosophical concepts and issues investigated from feminist perspectives, for example, topics in epistemology, philosophy of science, ethics, and personal identity. May be repeated to a maximum of 6 units as topics vary.

- PHIL 4150 - Philosophy of Religion

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(3)

Prerequisite: One PHIL course. Systematic approach to issues of noteworthy religious significance, such as eternity, faith, worship, the holy, with aim of distinguishing religion from other modes of human experience.

- PHIL 4200 - Ethics II

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(3)

Prerequisite: One PHIL course. Contemporary meta-ethical theories, analyses of concept of good, analyses of concept of obligation, validation of moral statements, ethical relativism, praise and blame, moral responsibility.

- PHIL 4280 - Ethics and Genetics

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(3)

Prerequisite: One PHIL course. Ethical implications of "mapping" the human genome. Topics include: genetic testing, privacy and informed consent; behavioral genetics; genetic enhancement and eugenics; genetic discrimination; impact on minorities and indigenous peoples.

- PHIL 4290 - Bioethics

---

(3)

Prerequisite: One PHIL course. Philosophical consideration of moral issues concerning health and health care, such as decisions about death, reproductive choices, medical experimentation, and justice in allocating health resources.



- PHIL 4330 - Latin American Philosophy

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(3)

Prerequisite: One PHIL course. Philosophical thought in Latin America with emphasis on contemporary philosophers, especially those of Mexico and Argentina.

- PHIL 4360 - South Asian Philosophy

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(3)

Prerequisite: One PHIL course. Exploration of the 4,000-year Indian/South-Asian philosophical traditions, encompassing the early classics, orthodox and unorthodox systems of Indian Philosophy, and modern developments.

- PHIL 4370 - East Asian Philosophy

---

(3)

Prerequisite: One PHIL course. Exploration of the philosophical traditions of China, Japan and Korea and the development of those traditions, encompassing Confucianism, Taoism and Buddhism along with their rivals and offshoots.

- PHIL 4400 - Contemporary Philosophy

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(3)

Prerequisite: One PHIL course. Major problems, issues or trends in philosophy since 1900. May be repeated as topics change to a maximum of 8 units.

- PHIL 4450 - Existentialism

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(3)

Prerequisite: One PHIL course. Major works of existential philosophy; relation of existentialism to contemporary value problems; 19th century background and contemporary varieties of existential thought, both religious and nonreligious.

- PHIL 4460 - Phenomenology

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(3)

Prerequisite: One PHIL course. Descriptive and constitutive methodologies of phenomenology; application of phenomenological method to problems in ontology, aesthetics, language, psychology, and social theory.

- PHIL 4470 - Hermeneutics and Critical Theory

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(3)

Prerequisite: One PHIL course, preferably in history of modern philosophy. Major themes in hermeneutics and critical theory. Topics include: theories of meaning and interpretation, the nature of 'texts', the impact of politics, culture and economics on modes of understanding.

- PHIL 4500 - Plato

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(3)

Prerequisite: PHIL 311; History of Ancient Philosophy. Exposition and analysis of principal works of Plato.

- PHIL 4510 - Aristotle

(3)

Prerequisite: PHIL 3110 History of Ancient Philosophy. Exposition and analysis of principal works of Aristotle.

- PHIL 4520 - Medieval Philosophy

(3)

Principal themes in neo-Platonic and/or neo-Aristotelian philosophy, with concentration on teachings of particular figures, e.g., Plotinus, Augustine, Pseudo-Dionysius, Anselm, Bonaventure, Aquinas, Duns Scotus, Ockham.

- PHIL 4540 - Islamic Philosophy

(3)

Prerequisite: One PHIL course. Central philosophical issues in the Classical era of Islamic thought, 9th to 12th century, such as God's essence and attributes, causality, cosmology and the eternity of the world, and knowledge. May be repeated to a maximum of 8 units as topics vary.

- PHIL 4580 - Major Figures in Modern Philosophy

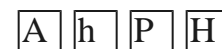
(3)

Selected philosophers in the modern era: e.g., Descartes, Hobbes, Spinoza, Locke, Berkeley, Hume, Rousseau and Kant. Specific topic listed in Schedule of Classes. May be repeated to a maximum of 6 units as content changes.

- PHIL 4590 - 19th Century Philosophy

(3)

Prerequisite: One PHIL course; PHIL 3130 recommended. Selected philosophical themes from Kant to late 19th century; contributions of selected philosophers, e.g.: Kant, Hegel, Marx, Nietzsche, Kierkegaard, Comte and Mill.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|--|--|--|---|
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# University Catalog

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| Find whole word or phrase only.              |   |                               |                               |

### Philosophy (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **PHIL 4600 - Metaphysics**

---

(3)  
Prerequisite: One PHIL course. Investigation of fundamental nature of reality and of persons. Topics include some of the following: free will, personal identity, the mind/ body problem, universals and particulars, abstract objects, space/time and causality.
- **PHIL 4700 - Theory of Knowledge**

---

(3)  
Prerequisite: PHIL 2500 Introduction to Symbolic Logic. Investigation of fundamental nature of human knowledge and related concepts, including belief, truth, and justification; additional topics may include: realism and relativism, skepticism, critiques of traditional theory of knowledge.

- **PHIL 4710 - Philosophy of Mind**

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(3)  
Prerequisite: One PHIL course. Philosophical analysis of concepts of mind, mental phenomena, actions, emotions, and will; philosophical theories of mind.

- PHIL 4750 - Aesthetics

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(3)

Prerequisite: One PHIL course. Main problems and principal theories of art creation, appreciation and criticism; aesthetic experience and the work of art; principles of aesthetic evaluation and their effect on morality, government, society, science and philosophy.

- PHIL 4800 - Philosophy of Language

---

(3)

Prerequisites: PHIL 2500 Introduction to Symbolic Logic. Semantic, syntactic, and pragmatic dimensions of language; theories of signs and meaning; cognitive, emotive, and other features of language; ordinary language and formal language as analytical tools; philosophical importance of language.

- PHIL 4850 - Philosophy of Science

---

(3)

Prerequisite: PHIL 2500 or upper division standing in any major. Philosophical issues in the physical, life, and social sciences. Problems selected for study may include: concept formation, hypotheses and models, meaning and verification, prediction and explanation, causality and natural law.

- PHIL 4900 - Philosophy of Law

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(3)

Prerequisite: One PHIL course. Philosophical investigation of fundamental presuppositions of legal theory, analysis of basic legal concepts.

- PHIL 4950 - Proseminar: Selected Works in Philosophy

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(3)

Prerequisite: Varies according to subject matter. Close study of major philosophical writings, stressing meaning, methods of inquiry, and grounds upon which argued. Content varies. May be repeated to a maximum of 12 units for credit as subject matter changes.

- PHIL 4960 - Senior Seminar

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(2)

Prerequisites: PHIL 3000 and senior standing in Philosophy major. Reflection on the purposes, methods and styles of Philosophy. Students' self-assessment of their own philosophical development.

- PHIL 4990 - Undergraduate Directed Study

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(1-3)

Prerequisites: Consent of an instructor to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to a maximum of 6 units for credit.

## Philosophy (Graduate)

All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission.

- PH 5950 - Field Experience

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(3)

Prerequisite: Instructor consent. Students will complete a project in a public health setting incorporating concepts and skills learned in prior courses in the MPH program.

- PHIL 5001 - Journal Editing and Production

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(1-3)

Prerequisite: Graduate standing and invitation by the philosophy department. Overview of the techniques for producing a philosophical essay; peer review and copy editing techniques. Class will assist in producing a volume of the student philosophical journal. May be repeated for credit. Permit required.

- PHIL 5002 - Graduate Philosophical Writing and Journal Production

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(1-3)

Prerequisite: Graduate standing and invitation by the Philosophy Department. Advanced writing techniques, focusing on the production, evaluation and revision of philosophical essays; peer review and copy editing techniques. Class will produce a volume of the student philosophical journal. May be repeated for credit. Permit required.

- PHIL 5100 - Seminar: History of Philosophy

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(3)

Advanced study of selected figures and problems in history of philosophy. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5110 - Seminar: History of Ancient Philosophy

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(3)

Advanced study of selected figures and problems in the history of ancient philosophy. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5130 - Seminar: History of Modern Philosophy

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(3)

Advanced study of selected figures and problems in history of modern philosophy. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5150 - Seminar: 18th and 19th Century Philosophy

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(3)

Advanced study of selected figures and problems in the history of 18th and 19th Century Philosophy. May be repeated to a maximum of 8 units as subject matter changes.

- PHIL 5210 - Seminar: Logic

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(3)

Advanced study of selected problems in deductive or inductive logic. May be repeated to a maximum of 8 units as subject matter changes.

- PHIL 5230 - Seminar: Philosophy of Language

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(3)

Advanced study of selected problems in philosophy of language. May be repeated to a maximum of 8 units as subject matter changes.

- PHIL 5250 - Seminar: Philosophy of Science

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(3)

Advanced study of selected problems in philosophy of the sciences, including mathematics, natural sciences, psychology, and social sciences. May be repeated to a maximum of 9 units as subject matter changes.

- PHIL 5310 - Seminar: Metaphysics

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(3)

Advanced study of selected problems in metaphysics. May be repeated to a maximum of 12 units as subject matter changes.

- PHIL 5320 - Seminar: Theory of Knowledge

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(3)

Advanced study of selected problems in theory of knowledge. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5330 - Philosophy of Mind

---

(3)

Study of advanced topics in contemporary philosophy of mind, including consciousness, thought, the relationship between thought and consciousness, qualitative experience, and self-knowledge. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5420 - Seminar: Aesthetics

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(3)

Advanced study of selected problems in aesthetics. May be repeated to a maximum of 6 units as subject matter changes.

- PHIL 5430 - Seminar: Ethics

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(3)

Advanced study of selected problems in ethics, including moral theory and applied issues. May be repeated to a maximum of 12 units as subject matter changes.

- **PHIL 5440 - Seminar: Social and Political Philosophy**

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(3)

Advanced study of selected problems in social and political philosophy, including social/political theory and applied issues. May be repeated to a maximum of 9 units as subject matter changes.

- **PHIL 5800 - Seminar: Critical Thinking-Models and Strategies**

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(3)

Prerequisites: 12 units of Critical Thinking certificate coursework. PHIL 4050 strongly recommended. Theoretical models of critical thinking and pedagogical strategies and materials for teaching different kinds of students.

- **PHIL 5810 - Projects in Teaching Philosophy**

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(1-3)

Prerequisite: Consent of instructor. Planned preparation and critical evaluation of undergraduate philosophy classes, especially Critical Thinking. May be repeated to a maximum of 16 units. Graded CR/NC.

- **PHIL 5960 - Comprehensive Examination**

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(0)

Prerequisite: See the Comprehensive Examination in the requirements for the Master's Degree Section of this chapter. See the Comprehensive Examination in the requirements for the Masters Degree section of this chapter.

- **PHIL 5970 - Graduate Studies**

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Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **PHIL 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: Consent of faculty sponsor before registration. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 6 units for credit.

- **PHIL 5990 - Thesis**

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(3)

Prerequisites: Minimum 3.5 grade point average in first 24 units of MA program, formal approval by department. Independent research resulting in a thesis. May be repeated to maximum of 6 units. Graded CR/NC. Not open to students with prior enrollment in comprehensive examinations (PHIL 596).

- PHIL 9000 - Graduate Studies

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(0)

Prerequisite: PHIL 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### Physics (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: PHYS 4100, 4101, 4250, 4260, 4261, 4270, 4320, 4700, 4970, 4990.

- PHYS 1100 - Physics

---

(4)

Prerequisites: Knowledge of elementary algebra and trigonometry. Mechanics of particles, rigid bodies; gravity; simple harmonic motion, waves, sound, fluids, thermal physics, kinetic theory. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 2100-2300 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course.

#### C-ID PHYS 100S:

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- PHYS 1200 - Physics

---

(4)

Prerequisite: PHYS 1100. Electricity and magnetism, light and optics, relativity, quanta, atoms, nuclei, and fundamental particles. Fundamental treatment of physics without use of calculus. Required for biological science majors; recommended for behavioral science majors. Biologists planning graduate work may find the 2100-2300 series in physics with calculus better suited to their needs. Lecture 3 hours, laboratory 3 hours for each course.

#### C-ID PHYS 100S:

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- PHYS 1560 - Physics for the Twenty-first Century

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(2)

Corequisite: PHYS 1570. Current topics in physics that will play a significant role in social and economic issues of the 21st century. Fundamental physics concepts necessary to understand these topics. Together with PHYS 1570, satisfies GE B1.



**GE B1**

- **PHYS 1570 - Physics for the Twenty-first Century Laboratory**

---

(1)

Co-requisite or prerequisite: PHYS 1560. Laboratory experiments designed to complement Physics 1560 lecture material and promote utilization of the techniques of scientific inquiry. Students will write reports. Together with PHYS 1560, satisfies GE Block B1.

**GE B1**

- **PHYS 1980 - General Physics Laboratory**

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(1)

Prerequisites: Chair and Advisor Approval Only. Provides registration mechanism for transfer students who require lower division laboratory to complete requirements for lower division physics course.

- **PHYS 2100 - General Physics I: Mechanics**

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(5)

Prerequisites: MATH 2110. Motion in one, two and three dimensions, Newton's laws of motion, circular motion, work and energy, energy transfer, linear and angular momentum and their conservation, universal gravitation, periodic motion, Lecture 3 hrs, lab 3 hrs, tutorial workshop 2 hrs.

**C-ID PHYS 200S:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE-B1**

- **PHYS 2200 - General Physics II: Electromagnetism and Circuits**

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(5)

Prerequisite: PHYS 2100 with a minimum C grade. Elementary field theory, basic electricity and magnetism, electromagnetic induction, DC, RC, and RLC circuits, Maxwell's equations, and propagation of light. Lecture 3 hours, lab 3 hours, tutorial workshop 2 hours.

**C-ID PHYS 200S:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **PHYS 2510 - Physics Topics in Civil Engineering**

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(2)

Prerequisite: PHYS 2100. Prerequisite or corequisite: MATH 2120. Topics in physics for civil engineering majors, using

calculus. Mechanics of rigid bodies; fluid mechanics; mechanical vibrations and sound; thermal physics. Lecture 2 hours.

- **PHYS 3120 - Basic Electronics**

---

(4)

Prerequisites: PHYS 2200. AC and DC circuits, solid-state circuits and devices, feedback, operational amplifiers, transistor logic gates, Boolean algebra, truth tables, combinational and sequential logic circuits, state machines, ADC, DAC, noise in measurements. Lecture 2 hours, laboratory 6 hours.

- **PHYS 3200 - Physics Computing**

---

(3)

Prerequisites: PHYS 1100 or 2100; MATH 2040 or 2110. Introduction to the use of computers in physics. The use of numerical recipes and symbolic manipulation programs for the solution of scientific problems. Lecture 2 hours, laboratory 3 hours.

- **PHYS 3300 - Oscillations, Waves, and Special Relativity**

---

(4)

Prerequisites: MATH 2120 and PHYS 2200, both with a minimum C grade. Mechanical vibrations including simple harmonic motion, forced and damped oscillators, coupled oscillations, and normal modes; wave phenomena including reflection, refraction, diffraction, and interference; optics; and special relativity. Lecture 3 hours, lab 3 hours.

- **PHYS 3400 - Modern Physics and Thermodynamics**

---

(4)

Prerequisite: MATH 2120 and PHYS 2200, both with a minimum C grade; PHYS 3300 recommended. An introduction to modern physics and thermodynamics including: particle and wave properties of light and matter; the Schrödinger equation; models of atomic and molecular structure; the laws of thermodynamics; statistical physics. Lecture 3 hours, lab 3 hours.

- **PHYS 3700 - Energy and the Environment**

---

(3)

Prerequisite: The completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The physics of energy conversion including the environmental and cost advantages and disadvantages of energy sources - fossil fuels, nuclear, solar, hydroelectric, biomass, wind, tidal, and geothermal. Lecture 3 hours.

**UD GE B**

- **PHYS 3960 - Honors Studies in Physics**

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(2)

Prerequisite: Admission to departmental honors program. Study leading to colloquium presentation required for conferral of Bachelor of Science degree with Departmental Honors in Physics.

- **PHYS 4101 - Mathematical Methods of Physics**

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(3)

Prerequisites: PHYS 2200; MATH 2120. Vector calculus, integration, series, complex variables, special functions, boundary value problems, calculus of variations. Emphasis on mathematical solution of problems in physics.

- **PHYS 4102 - Mathematical Methods of Physics**

---

(3)

Prerequisites: PHYS 4101. Vector calculus, integration, series, complex variables, special functions, boundary value problems, calculus of variations. Emphasis on mathematical solution of problems in physics.

- **PHYS 4120 - Laboratory Applications of Minicomputers and Microcomputers**

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(3)

Prerequisite: PHYS 3120. The use of minicomputers and microcomputers in physics laboratories and research. Fundamentals of data acquisition, interfacing, and data display. Lecture 2 hours, laboratory 6 hours.

- **PHYS 4200 - Introduction to Computational Physics**

---

(3)

Prerequisites: PHYS 3200, or CS 2010, or approval of instructor. Use of computers to create numerical laboratories of physical systems by Monte Carlo simulation, by molecular-dynamics simulation, by exact and approximate solutions of quantum dynamics, and by analysis of data bases. Lecture 2 hrs, laboratory 3 hrs.

- **PHYS 4251 - Classical Mechanics I**

---

(3)

Prerequisites: MATH 2150; PHYS 3300. Application of mathematics to solutions of problems in classical physics with emphasis on Newtonian, Lagrangian, and Hamiltonian mechanics, field theory, and relativity.

- **PHYS 4252 - Classical Mechanics II**

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(3)

Prerequisite: PHYS 4251. Application of mathematics to solutions of problems in classical physics with emphasis on Newtonian, Lagrangian, and Hamiltonian mechanics, field theory, and relativity.

- **PHYS 4261 - Electricity and Magnetism I**

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(3)

Prerequisites: MATH 2130; PHYS 3300. Theoretical electricity and magnetism; properties of electric and magnetic fields, electromagnetic waves; emphasis on mathematical solution of problems.

- **PHYS 4262 - Electricity and Magnetism II**

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(3)

Prerequisites: PHYS 4261. Theoretical electricity and magnetism; properties of electric and magnetic fields, electromagnetic waves; emphasis on mathematical solution of problems.

- **PHYS 4270 - Thermal and Statistical Physics**

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(3)

Prerequisites: MATH 2130; PHYS 3400. Introduction to thermodynamics and statistical physics; emphasis on mathematical solution of problems.

- **PHYS 4280 - Advanced Statistical Physics**

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(3)

Prerequisite: PHYS 4270. Introduction to a variety of advanced topics in statistical mechanics, including transport phenomena and fluctuations; emphasis on mathematical solution of problems.

- **PHYS 4310 - Modern Optics**

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(3)

Prerequisites: PHYS 2300; MATH 2150 recommended. Introduction to modern optics; geometric optics by matrix methods, partial polarization, coherence, diffraction, quantum optics, and developments in laser technology.

- **PHYS 4321 - Introductory Quantum Mechanics I**

---

(3)

Prerequisites: MATH 2150; PHYS 3400. Fundamentals of wave mechanics, wave packets, and the uncertainty principle. Schrödinger's equation, operators and eigenfunctions, one-dimensional problems. Central potential, the hydrogen atom, angular momentum and spin. Identical particles and Pauli Exclusion Principle.

- **PHYS 4322 - Introductory Quantum Mechanics II**

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(3)

Prerequisites: PHYS 4321. Time-independent perturbation theory, time-dependent perturbation theory, emission and absorption of radiation, and scattering.

- **PHYS 4330 - Solid State Physics I**

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(3)

Prerequisites: PHYS 2300; MATH 2150 recommended. Crystal structure, thermal and electrical behavior of insulators, metals, and semiconductors; band theory.

- **PHYS 4340 - Solid State Physics II**

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(3)

Prerequisites: PHYS 4330. Fermi surface, transport theory, superconductivity, magnetic resonance, optical properties, superfluidity, ion implantation.

- **PHYS 4430 - Biophysics**

---

(3)

Prerequisites: CHEM 1040 or 1100; MATH 2050 or 2120; PHYS 1200 or 2200. Physical aspects of the living state. Theory of physical methods used in the measurement of biological processes. Lecture 3 hours.

- **PHYS 4440 - Nuclear Physics**

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(3)

Prerequisite: PHYS 2300; MATH 2150 recommended. Nuclear phenomenology; alpha, beta, and gamma decays; nuclear reactions, nuclear energy, radiation detectors; radioactivity.

- **PHYS 4700 - Advanced Physics Laboratory and Applications**

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(3)

Prerequisites: PHYS 3400. Instrumentation, techniques, and analytical evaluation involved in current experimental practice; basic experiments in vacuum techniques, and in classical, solid-state, and nuclear physics and materials science. Lecture 1 hour, laboratory 6 hours.

- **PHYS 4880 - Modern Topics in General Relativity**

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**(also listed as ASTR 4880)**

(2)

Prerequisites: PHYS 4251; PHYS 4252. Introduction to basic ideas of general relativity: physics of spacetime, relativistic stars, gravitational collapse and black holes, gravitational waves, testing of general relativity.

- **PHYS 4910 - Topics in Contemporary Experimental Physics**

---

(1-3)

Prerequisites: Upper division or graduate standing in Physics; others as listed in departmental announcement. Each section of course is a lecture series designed to present current developments in research; laboratory program may be included. Specific topics listed in Schedule of Classes and in department. May be repeated for credit.

- **PHYS 4920 - Topics in Contemporary Theoretical Physics**

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(1-3)

Prerequisites: Upper division or graduate standing in Physics; others as listed in department announcement. Each section of course is a lecture series designed to present current developments in theory; Specific topics listed in Schedule of Classes and in department. May be repeated for credit.

- **PHYS 4970 - Undergraduate Research**

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(1-3)

Prerequisite: Faculty Consent. Laboratory work organized on a project basis open to a limited number of qualified physics majors each year. Emphasis on developing experimental ability and initiative of the student. May be repeated for credit.

- **PHYS 4990 - Undergraduate Directed Study**

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(1-3)

Prerequisites: Faculty Consent. Includes regular conferences with sponsor and preparation of a report. May be repeated for credit.

**Physics (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: PHYS 4100, 4101, 4250, 4251, 4260, 4261, 4270, 4320, 4321, 4700, 4970, 4990.*

*Classified graduate standing is required for admission.*

- **PHYS 5101 - Mathematical Methods of Physics**

---

(3)

Prerequisites: PHYS 4251; PHYS 4261. Intended for beginning graduate students. Problem-solving using techniques current in theoretical physics. Series, integration, complex variables, integral transforms, matrices, eigenvalues, special functions, integral equations, numerical methods, probability and tensors.

- **PHYS 5102 - Mathematical Methods of Physics**

---

(3)

Prerequisites: PHYS 5101 recommended. Intended for beginning graduate students. Problem-solving using techniques current in theoretical physics. Series, integration, complex variables, integral transforms, matrices, eigenvalues, special functions, integral equations, numerical methods, probability and tensors.

- **PHYS 5121 - Modern Physics**

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(3)

Prerequisites: PHYS 4251, PHYS 4261. Hydrogen atom, atomic spectroscopy, electron shell structure, molecular binding, quantum statistics, and theory of solids.

- **PHYS 5122 - Modern Physics**

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(3)

Prerequisites: PHYS 5121 recommended. X-rays, properties of nuclei, radioactivity, nuclear forces, elementary particles, cosmic rays, nuclear astrophysics.

- **PHYS 5301 - Classical Physics**

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(3)

Prerequisite: PHYS 5100. Unified treatment of advanced topics in classical physics, including Lagrange's and Hamilton-Jacobi theory, special relativity, electrodynamics, and radiation theory.

- **PHYS 5302 - Classical Physics**

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(3)

Prerequisite: PHYS 5301 recommended. Unified treatment of advanced topics in classical physics, including Lagrange's and Hamilton-Jacobi theory, special relativity, electrodynamics, and radiation theory.

- **PHYS 5310 - Topics in Electrodynamics**

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(3)

Prerequisite: PHYS 5302. Continuation and expansion of topics covered in 530B. Emphasis on special topics and applications such as wave guides, scattering, diffraction, plasma physics, radiation damping, and self fields of a particle.

- **PHYS 5321 - Quantum Mechanics**

---

(3)

Prerequisite or corequisite: PHYS 5101. Formal structure of quantum mechanics, hermitian operators, Schrödinger theory and applications to soluble systems, angular momentum, and rotation matrices, spin, symmetry and conservation laws.

- **PHYS 5322 - Quantum Mechanics**

---

(3)

Prerequisite or corequisite: PHYS 5101. Scattering theory and phase-shift analysis, matrix mechanics, spin, permutation symmetry and identical particles, and approximation methods, and Dirac equation.

- **PHYS 5330 - Solid State Theory**

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(3)

Prerequisites: PHYS 4321; PHYS 5101; PHYS 4330 recommended. Use of quantum field theory and group theory for development of solid state topics such as band theory, transport processes, and collective particle phenomena.

- **PHYS 5420 - Physics Research Conference**

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(1)

Prerequisite: NONE. Weekly meetings of faculty and students for report and discussion of recent developments in physics. Includes presentations by faculty, advanced students, or invited speakers. May be repeated to maximum of 2 units. Graded CR/NC.

- **PHYS 5440 - Theoretical Nuclear Physics**

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(3)

Prerequisites: PHYS 5101, 5321. Selected topics from theory of nuclear models, nuclear reactions, and symmetry properties of elementary particles.

- **PHYS 5731 - Theory of Nuclear Magnetic Resonance and its Applications to Materials Physics**

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(3)

Prerequisites or corequisites: PHYS 5101 and PHYS 5330. Taking PHYS 5732 concurrently is highly recommended.

Introduction to the physical principles of NMR spectroscopy, broadband NMR spectroscopy methods and instrumentation, and applications of NMR techniques to the study of materials. Lecture 3 hours.

- **PHYS 5732 - Practical Implementation of Nuclear Magnetic Resonance and Applications to Materials Physics**

---

(1)

Prerequisites or corequisites: PHYS 5101, PHYS 5330, and PHYS 5731. Practical training in broadband NMR spectroscopy methods and instrumentation; specific implementation of NMR techniques to the study of materials. Lab 3 hours.

- **PHYS 5920 - Seminar: Contemporary Physics**

---

(1-3)

Prerequisite: Department approval. Current topics in theoretical and/or experimental physics. May be repeated to maximum of 16 units as subject matter changes.

- **PHYS 5960 - Comprehensive Examination**

---

(0)

Prerequisite: Comply with College and Department Requirements. See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **PHYS 5970 - Graduate Research**

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(1-3)

Prerequisites: Faculty Consent; Department Approval. Independent research, under guidance of the faculty. May be repeated for credit. Graded CR/NC.

- **PHYS 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: Faculty Consent; Department Approval. Independent study of advanced topics in the field; regular conferences with the sponsor. May be repeated for credit.

- **PHYS 5990 - Thesis**

---

(1-3)

Prerequisites: Advancement to candidacy, Faculty Consent, Departmental Approval of topic prior to enrollment in course. Independent research resulting in a thesis. May be repeated to maximum of 9 units. Graded CR/NC.

### **Political Science (Undergraduate)**

*POLS 1500 is prerequisite to all upper division POLS courses except 3100, 3220, 3300, 3420, 3510, 3580, 3600 and 4260.*

*The department recommends completion of the 3000 level required courses before enrolling in 4000 level courses.*



- **POLS 1000 - Government and American Society**

---

(3)

American political system with emphasis on role and function of government in social context of a democratic political system. Satisfies U.S. Constitution and California state and local government requirements. Not open to students who have completed an introductory college course in U.S. government. Some sections of this course will be offered in fully online (100%), and hybrid (50% face-to-face/50% online) formats.

**CI-D POLS 110:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE D; AM**

- **POLS 1555 - Critical Analysis of Political Communication**

---

(3)

Completion of Block A2. Critical analysis of ideological messages, political biases, and manipulative devices in all forms of communication; from newspaper reporting to scholarly texts, from films to television news to social media.

**GE A3**

- **POLS 2000 - California State and Local Government**

---

(2)

Functions and structure of California state and local government units, current aspects of governmental process and problems in state. Satisfies California state and local government requirement.

**GE D AM**

- **POLS 2500 - World Politics**

---

(3)

Major issues and problems among nations; international organization and conflict resolution.

**CI-D POLS 140:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE D**

- **POLS 2810 - Quantitative Methods in Political Science**

---

(4)

Prerequisites: POLS 1000; MATH 0930 or satisfactory performance on mathematics placement examination given

during registration. Descriptive and inferential statistics; emphasis on practical applications in political science. Distributions on a single variable, associations between two variables, tests of hypotheses; bivariate computer analysis, including individual projects. Lecture 4 hours.

**CI-D POLS 160:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **POLS 3100 - Gender, Politics, and Government**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The influence of gender and sexual orientation on political behavior, on elective and appointive government institutions, and on public policies; historical reasons for gender-related differences, political movements to overcome discrimination, and analysis of emerging trends. 3 hours.

**GE UD D**

- **POLS 3290 - Class, Civil Rights, and Gender in Late Modern Political Thought**

---

(3)

Prerequisites: Satisfactory completion of Block A, Block B4, and one additional course from Blocks B, C, and D. Examination of the intersection of race, class, and gender in nineteenth and early twentieth century political thought. Lecture 3 hours.

**GE UD D; (d); (wi)**

- **POLS 3300 - Politics of Aging**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Effects of older Americans on the political system. Political and policy analysis of retirement, and old age programs; political challenges of intergenerational equity; identification of emerging trends.

**GE UD D; (d)**

- **POLS 3420 - Rights and Justice**

**(also listed as COMM 3420)**

---

(3)

Satisfactory completion of Block A, Block B4, and one additional course from Blocks B, C, and D. This course analyzes the evolution of the freedom of speech and equal protection in the United States, with particular emphasis on issues of race and ethnicity. Some sections of the course will be taught online. Some sections of this course will be offered ONLINE.

**GE UD C (d)**

- **POLS 3450 - The Politics of Science**

---

(3)

Prerequisite: POLS 1000. Examines the intersection of politics and science, including the allocation of resources, funding, and the ethical issues that arise as science is used to support, critique, and defend public policy.

• **POLS 3500 - State Politics and Policy, State Politics**

(3)

Prerequisites: Satisfactory completion of Block A, Block B4, and one additional course from Blocks B, C, and D. Politics and policy at the state and local levels, relations among the national, state, and local governments. Emphasis on California problems and politics. Meets the graduation requirement for California government.

**GE UD D**



| Students   | Future students   | Faculty & Staff   | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|---|---|--|--|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events<br>Leadership<br>University Times<br>Student Government (ASI)<br>University Student Union<br>Golden Eagle Radio | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and<br>Scholarships<br>Graduate Studies<br>Housing Services<br>International Office<br>Orientation Program<br>Outreach and Recruitment | Center for Effective<br>Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business<br>Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience<br>Collaborative<br>Pat Brown Institute<br>Service Learning<br>Stern MASS<br>The School of Arts<br>Enterprise | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center<br>Housing Services<br>Luckman Fine Arts<br>Complex<br>Public Safety and Parking<br>Title IX<br>University Auxiliary<br>Services<br>University Bookstore<br>University Student Union<br>University Tutorial Center<br>University Writing Center |



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# University Catalog

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**Course Filter**

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### Political Science (Undergraduate)

*POLS 1500 is prerequisite to all upper division POLS courses except 3100, 3220, 3300, 3420, 3510, 3580, 3600 and 4260.*

*The department recommends completion of the 3000 level required courses before enrolling in 4000 level courses.*

- **POLS 3580 - Environmental Policy and Management**

(3)

Prerequisite: Completion of GE blocks A, an additional course from block B, and at least one course each from blocks C and D. Evaluate the social cost of environmental damage from multiple perspectives and government efforts to ameliorate those costs; equity, efficiency, and effectiveness of various public policies designed to address environmental damage. Some sections may be offered in a hybrid (50% face-to-face, 50% online) format.

**GE UD D**

- **POLS 3600 - Dynamics of Change in the Developing World**

**(Also listed as LAS 3600, PAS 3600)**

(3)

Prerequisites: Satisfactory completion of Block A, Block B4, and one additional course from Blocks B, C, and D. How the colonized and post-colonial world developed and how it is changing in relation to the rest of the world

**UD D (re)**

- **POLS 3710 - Foundations of American Politics**

(3)

Prerequisite: POLS 1000. Analysis of the structure, functions and relationships among American national institutions,

including executive, legislative and judicial branches, media, political parties, citizens and groups.

- **POLS 3720 - Foundations of Political Theory**

---

(3)

Prerequisite: POLS 1000. Upper division core requirement. From an institutional perspective, this course examines: Who should rule? What are the limits of political obligation? What is social justice? What is human nature?

- **POLS 3730 - Foundations of Comparative Politics**

---

(3)

Prerequisite: POLS 1000. Upper division core requirement. Study of the comparative method and of major research traditions and topics in comparative politics. Some sections may be offered in a hybrid (50% face-to-face, 50% online) format.

- **POLS 3740 - Foundations of Global Politics**

---

(3)

Prerequisite: POLS 1000. Upper division core requirement. Global politics examines the far-reaching political implications of globalization on nation-states, international regimes and organizations, global security, and non-state actors.

- **POLS 3950 - Community Service in Political Science**

---

(1-3)

Participation in work of community agency or activity utilizing professional or vocational skills in service to community. Credit not applicable toward political science major. May be repeated to maximum of 9 units. Graded CR/NC.

- **POLS 4000 - Power and Policy in Washington: Congress and the President**

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(3)

Prerequisite: POLS 1000; Recommended Prereq for all 4000 level courses: POLS 3000 level core courses. Structure, functioning, and interaction between Congress and the presidency.

- **POLS 4030 - State and Local Government**

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(3)

Nature of state politics, analysis of legislative, judicial, and administrative organization and process; local government in metropolitan areas; all with reference to California.

- **POLS 4040 - Urban Government and Politics**

---

(3)

Problems of political influence, public policy, intergovernmental relations, and formal structure in American urban areas.

- POLS 4060 - Los Angeles City Politics

---

(3)

Los Angeles within federal system; structures and functions; charter examination; policy issues; dominant individuals; social classes; minority influence; political coalitions; public vs. private sector relations and conflict.

- POLS 4080 - Political Socialization and Public Opinion

---

(3)

The study of how individuals acquire their political beliefs and ways in which these opinions are communicated to others in society. Emphasis on subcultural and gender differences.

- POLS 4090 - Minority Politics in the U.S.

---

(3)

Overview of ethnic politics in U.S. from both historical and contemporary perspectives; American Indian, Asian, black, and Hispanic political movements in U.S.

- POLS 4140 - Politics and the Media

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(3)

Relationships between government and the media; newsgathering techniques, journalist/government relations, role of media in presidential campaign politics.

- POLS 4180 - U.S. Political Parties, Campaigns, and Elections

---

(3)

Role of political parties in campaigns and elections; role of the media, consultants, pollsters, and parties in recruiting, nominating, and electing candidates.

- POLS 4201 - Model United Nations

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(3)

This is a course on the United Nations (UN) system intended to prepare students for their role as delegates at the national Model UN conference. May be repeated to maximum of 6 units as country selection varies.

- POLS 4202 - Model United Nations

---

(3)

Prerequisite: POLS 4201. This course is intended to examine the political, social and economic background of the assigned country for the National Model UN Conference. May be repeated to maximum of 6 units as country selection varies.

- POLS 4250 - U.S. Foreign Policy in a Changing World

---

(3)

Theory and practice of contemporary American foreign policy.

- **POLS 4260 - International Political Economy**

**(also listed as ECON 4260)**

---

(3)

Prerequisites: A three unit course in each of the disciplines: Economics and Political Science. Interaction of politics and economics in the international arena.

- **POLS 4270 - International Relations**

---

(3)

Theories and practice of international politics.

- **POLS 4290 - National Security Policy**

---

(3)

The nexus between politics and military force in coercive diplomacy and limited war; nuclear weapons, arms control, and proliferation; the budgetary and operational consequences of defense organization.

- **POLS 4310 - Classical Political Theory**

---

(3)

Prerequisites: POLS 1000 and POLS 3720. This course covers the development of Western political thought from Greek antiquity through fifth-century Rome. Readings from primary sources may include authors from Thucydides and Plato through Saint Augustine. Lecture 3 hours.

- **POLS 4330 - Modern Political Theory**

---

(3)

Prerequisites: POLS 1000 and POLS 3720. This course covers the development of Western political thought from the Renaissance through the Industrial Revolution. Readings include primary authors from Machiavelli through Marx and J.S. Mill. Lecture 3 hours.

- **POLS 4350 - American Political Thought**

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(3)

American political ideas from Puritan period to present.

- **POLS 4370 - Twentieth Century Continental Political Thought**

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(3)

The course will examine answers to important questions of political theory from the perspective of several important European traditions of thought that developed in the twentieth century.

- **POLS 4400 - Judicial Process**

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(3)

Judicial process as function of American government; survey of schools of legal thought, role of legal theory in functioning of courts.

- **POLS 4410 - American Constitutional Law: Federalism**

---

(3)

Recommended prerequisites for POLS majors in Prelaw option: POLS 4400, HIST 4790. Role of Supreme Court in American government; judicial review; relationship between national and state governments, especially in areas of commerce and taxation; relationship between executive, legislative, and judicial branches of government.

- **POLS 4420 - American Constitutional Law: Civil Rights**

---

(3)

Recommended prerequisite for POLS majors in prelaw option: POLS 4400. The constitutional rights of persons arising from the First and Fourteenth Amendments to the constitution with particular emphasis on equal protection of the laws and discrimination, and the right to privacy.

- **POLS 4430 - American Constitutional Law: Civil Liberties**

---

(3)

Recommended prerequisite: POLS 4400. The constitutional liberties of persons arising from the First and Fourteenth Amendments to the constitution with particular emphasis on freedom of speech, press, religion, assembly, and petition.

- **POLS 4440 - Legal Advocacy**

---

(3)

Prerequisite: POLS 1000 and POLS 4400 or instructor consent required. POLS 4410, POLS 4420, or POLS 4430 are recommended courses. Provides an introduction to legal research, writing, and trial advocacy; including civil and criminal procedure, the rules and presentation of evidence, and professional responsibility.

- **POLS 4450 - Judicial Behavior**

---

(3)

Recommended prerequisite for POLS majors in prelaw option: POLS 4400. Contemporary approaches to study of judicial behavior, including judicial role, decision making, small group analysis, socialization, and analysis of judicial voting behavior.

- **POLS 4460 - Global Legal Studies**

---

(3)

Prerequisites: POLS 1000 is required and POLS 4400 is recommended. Examine the international legal system, and the use of law to address contemporary world problems, including an analysis of the social context of law and the comparative approach to its study.

- **POLS 4500 - European Politics**



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(3)

Course content varies, focusing on contemporary politics in selected European countries. May be repeated to maximum of 6 units as topic varies

- **POLS 4510 - Latin American Politics**

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(3)

Course content varies, focusing on contemporary politics of selected Latin American countries. May be repeated to maximum of 8 units as topic varies.

- **POLS 4520 - Government and Politics of China**

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(3)

Analysis of the government and politics of China. Review of recent development in China's modernization and its international impact.

- **POLS 4530 - Politics of Africa and the Mid-East**

---

(3)

Course content varies, focusing on contemporary politics of selected African and Middle Eastern nations. May be repeated to maximum of 8 units as topic varies.

- **POLS 4540 - Selected Topics in Comparative Politics**

---

(1-3)

Selected topics in comparative government as announced in the schedule of classes. May be repeated to a maximum of 8 units as topic varies.

- **POLS 4580 - Politics in Asian-American Immigration**

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(3)

Examining and evaluating the politics of Asian-American immigration in the United States, and reviewing the impact of Asian Americans on political development at home and abroad. Course includes research and writing projects in comparative politics.

- **POLS 4590 - Politics of East Asia**

---

(3)

Course content varies. Political and economic processes of development in East Asia. The region's impact on the world.

- **POLS 4600 - Foundations of Public Administration**

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(3)

Prerequisite: POLS 1000. Politics of administrative power; methods of controlling bureaucracy; changing agency environments; dynamics and processes of public management; government as a career.

- POLS 4601 - Financial Administration and Human Resource Management in the Public Sector, Fin & HRM in Pub Sector
- 

(3)

Prerequisite: POLS 1000. Managing financial and human resources in government, emphasizing planning, management, and control of operations, and in comparison to private sector practices.

- POLS 4610 - Dynamics of Urban Administration
- 

(3)

Prerequisite: POLS 1000. Examines the politics of governing urban areas characterized by diverse and dynamic populations, needs and interests with a focus on the role of civic engagement in addressing complex urban problems.

- POLS 4620 - Public Policy
- 

(3)

Introduction to public policy making and implementation, stressing the politics of the policy making process.

- POLS 4640 - Geographic Information Systems (GIS) Applications in Political Science  
(also listed as GEOG 4640)
- 

(3)

Prerequisites: GEOG 2820, POLS 2810, or consent of instructor. Focuses on the application of Geographic Information Systems in politics and policy to see the effects of public decisions in areas such as political behavior, redistricting, and service delivery.

- POLS 4670 - The Third Sector and Nonprofit Organizations  
(also listed as YAA 4670)
- 

(3)

Nature and scope of the third sector; starting and managing nonprofit organizations. Issues in nonprofit management including board development, managing programs, and fundraising.

- POLS 4720 - Organization and Management
- 

(3)

Organization structure, human factors in organization, dynamics of organizational change, internal adaptability to external environment; problems, limitations, and trends in governmental organization and management.

- POLS 4810 - Advanced Quantitative Research Methods in Political Science
- 

(3)

Prerequisite: Instructor permission. Review of descriptive and inferential statistics; introduction to regression analysis to predict continuous, binary, and ordinal outcomes; practical applications in political science. Lecture 4 hours.

- POLS 4900 - Special Studies in Political Science

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(3)

Intensive study of selected areas and special problems in political science. May be repeated as subject matter changes.

- POLS 4980 - Senior Capstone Seminar

---

(3)

Prerequisites: Completion of all lower and upper division required core courses and 9 units of option courses; senior standing. Students will select a major research paper topic and further develop discipline-based research, writing and oral communication skills. Also includes examination of career paths and development of post-graduation plans. Must pass with a grade of C or better.

(wi)

- POLS 4981 - Senior Service Learning/Community Engagement Capstone in Political Science, Senior Cap Service

---

(3)

Prerequisites: Completion of all lower and upper division core and 9 units of option courses; senior standing. Students link theories and concepts of political science to understanding and addressing community problems; internship, volunteer and/or field experiences in the Greater Los Angeles Region; career paths and post-graduation plans. Must pass with a grade of C or better. Lecture and/or Field Work 3 hours.

(wi)

- POLS 4982 - Senior Capstone Research Seminar in Political Science, Senior Cap Research

---

(3)

Prerequisites: Completion of all lower and upper division required core courses and 9 units of option courses; senior standing. Examination of specialized topics and directed research in American politics, global politics, political theory, or public administration. Topics will vary according to instructor. Must pass with a grade of C or better.

(wi)

- POLS 4990 - Undergraduate Directed Study

---

(1-3)

Prerequisite: Department approval. Project selected in conference with sponsor before registration; progress meetings held regularly. May be repeated to maximum of 8 units.

### **Political Science (Graduate)**

*Classified graduate standing is required for admission to all 5000-level courses.*

- POLS 5040 - Seminar: American Political Behavior

---

(3)

Prerequisite: Department approval. Research and quantitative analysis of various forms of American political behavior. Topics may include: voting, participation, group behavior, policymaking, institutional decision-making, public opinion.

- **POLS 5050 - Seminar: American Political Studies**

---

(3)

Prerequisites: Baccalaureate; superior academic performance in political science. Analysis of selected issues and problems of national significance in the U.S. May be repeated as subject matter changes.

- **POLS 5090 - Seminar: Foundations of Empirical Political Theory**

---

(3)

Prerequisite: Departmental approval. Values and limitations in past and current applications of philosophy and methods of science to study of politics.

- **POLS 5100 - Seminar: Political Theory**

---

(3)

Prerequisites: POLS 4310, 4330, or 4350. Selected topics in political philosophy. May be repeated as subject matter changes.

- **POLS 5260 - Seminar: International Political Economy**

---

**(also listed as ECON 5260)**

(3)

Prerequisite: ECON/POLS 4260 plus POLS 4270. Research and analysis of the interactions of politics and economics in the international arena.

- **POLS 5270 - Seminar: Advanced Studies in International Relations**

---

(3)

Prerequisites: POLS 4270 plus 4 units in POLS 4250, 4260 or 4290, or LAS 4240. Selected topics in international politics. May be repeated for a total of 8 units, with advisor approval, as subject matter changes.

- **POLS 5310 - Seminar: Latin American Government**

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(3)

Prerequisite: POLS 4510. Analysis of selected topics in Latin American politics.

- **POLS 5440 - Jurisprudence in a Globalized World**

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(3)

Prerequisites: POLS 4400. Select topics related to jurisprudential thought, including Legal Realism, Natural Law, Legal Positivism, and Critical Legal Studies. Judicial decision making in both domestic and international legal systems.

- **POLS 5500 - Seminar: Comparative Politics**

---

(3)

Prerequisites: POLS 4570 plus 4 units in POLS 4500-4560. Selected topics in comparative politics. May focus on specific geographic areas, particular political processes, and/or specific stages of political development.

- **POLS 5670 - Seminar: The Third Sector and Nonprofit Organizations**

---

(3)

Study of increasingly integrated relationship between government and third sector service providers; professional management of nonprofit organizations in a complex environment; grant writing project. (Students who have taken POLS 467 cannot receive credit for POLS 567.)

- **POLS 5680 - Seminar: Community Development Administration**

---

(3)

Prerequisite: Instructor consent. Theory and process of planned development; role of administration in formulating and implementing development goals at all political community levels; planning, strategy, obstacles, assistance, development of competent personnel, institution-building.

- **POLS 5700 - Public Administration as a Field of Practice: Ethics, Integrity, Service**

---

(3)

Prerequisite: Admission to MSPA program, or consent of MSPA Graduate Advisor. Introduction to the study of public administration as a field of practice, and as a foundation for the MSPA program. Introduction to the study of public administration as a field of practice, and as a foundation for the MSPA program.

- **POLS 5720 - Public Sector Organization and Management**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Organization structures and theories of management in the public sector. Decision-making, human relations, goal setting, leadership in public organizations.

- **POLS 5730 - Public Sector Human Resource Management**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Managing human resources in the public sector; case studies of personnel problems ; examination of varying roles of boards, commissions, and official legislative bodies; trends in personnel research and personnel legislation. Online option added.

- **POLS 5740 - Public Budgeting and Financial Administration**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Issues and problems in budget authorization, execution, and control, including public policy implications; special emphasis on budgeting as a management tool.

- **POLS 5750 - The Third Sector and Nonprofit Organizations**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Study of the increasingly integrated relationship between government and third sector service providers; professional management of nonprofit organizations in a complex environment; grant writing project. (Students who have taken POLS 4670 cannot receive credit for POLS 5750).

- **POLS 5760 - Managing Intergovernmental and Intersectoral Relations**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Dynamics and patterns of vertical and horizontal intergovernmental and intersectoral relations; challenges to the contemporary urban administrator in dealing with other governments and nongovernmental organizations.

- **POLS 5770 - E-Government and Management**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. E and M government, issues and applications. Management issues of particular concern include information policy and public access, transparency, privacy, security, computer crime.

- **POLS 5800 - Data Analysis for Public and Nonprofit Managers**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MPA Graduate Advisor. Quantitative approaches to public and nonprofit administration, and policymaking; research designs, measurement, and descriptive, bivariate, and multivariate analysis. Some sections may be offered in a hybrid (50% face-to-face, 50% online) format.

- **POLS 5810 - Policy Analysis for Public and Nonprofit Managers**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. This is an introduction to policy analysis, providing a current assessment of how analysis is used in public decision-making; practical experience with doing applied analysis.

- **POLS 5820 - Policy and Program Implementation and Evaluation**

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(3)

This course covers conceptual issues and basic methods for policy and program implementation and evaluation for public and non-profit administrators.

- **POLS 5830 - Managing Social Policy**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Social policy programs at the national level and in California. Role of politics, media, interest groups, and industry in policy administration. Tradeoffs, design, implementation issues in health, welfare, housing policies.

- **POLS 5835 - Arts and Cultural Administration**

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(3)

This course examines the basic components of arts and cultural administration in government agencies and, to a lesser extent, nonprofits. Students will learn the foundation and history of arts and cultural administration, the impact of arts on society and the economy, how different types of arts and cultural facilities are managed as well as arts and cultural policies.

- **POLS 5840 - Seminar: Issues in the Metropolitan Area**

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(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. This seminar surveys the special problems of managing cities focusing on the discovery of characteristics of the “ideal community” and their use in administration.

- **POLS 5845 - Seminar: Community Development Administration**

---

(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. Theory and process of planned development; role of administration in formulating and implementing development goals at all political community levels; planning strategy, obstacles, assistance, development of competent personnel, institution-building.

- **POLS 5850 - Seminar: Regulation, the Environment and California Public Policy**

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(3)

Prerequisite or co-requisite: POLS 5700, or consent of MSPA Graduate Advisor. The interrelationships among regulatory policies, environmental problems and public policy in California.

- **POLS 5861 - Personal Leadership and Development in Administration**

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(1)

This elective course addresses elements of leadership; change, your “style”, communication, teambuilding, planning, meeting management, working with internal and external constituencies, ethics.

- **POLS 5862 - Effective Communication for Public and Non-Profit Administrators**

---

(1)

This elective course addresses elements of effective organizational communication, including theories of managerial effectiveness; active listening; verbal and nonverbal cues; audience awareness; presentation skills; barriers; email and social media; ethics.

- **POLS 5864 - Collaborative Governance**

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(1)

This elective course addresses the changing nature of governance skills, which increasingly require intergovernmental and intersectoral cooperation to address complex public problems.

- **POLS 5865 - Negotiation and Conflict Management for Administrators**

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(1)

This elective course addresses the question, “what is the best way for people to deal with their differences?” Introduction to conflict in organizations, methods of negotiating differences for positive outcomes.

- **POLS 5866 - Public Sector Contracting Basics**

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(1)

The elective course introduces contracting in the public and nonprofit sectors; types of contracts; negotiating, writing, monitoring, revising contracts; accountability and responsibilities; ethics and integrity in procurement.

- **POLS 5900 - MSPA Capstone**

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(3)

Prerequisites: Advanced to Candidacy, and completion of all MSPA coursework. Involves synthesis and practical application of public administration knowledge and skills acquired in the program. Emphasis on critical analysis of case studies and strategic assessment of a real-world organizational issue.

- **POLS 5955 - Seminar: Selected Issues in Public Administration**

---

(1-3)

Prerequisite: POLS 5700, or consent of MSPA Graduate Advisor. Presentation and discussion of selected issues and trends in administrative processes at all levels of government. Topics change. May be repeated to a maximum of 6 units with MSPA Graduate a Adviser approval.

- **POLS 5960 - Comprehensive Exam**

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(3)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **POLS 5980 - Graduate Directed Study**

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(3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 6 units.

- **POLS 5990 - Thesis**

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(1-6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. Graded CR/NC.

**Power, Energy and Transportation (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department*



and approval of the graduate adviser.

- **TECH 1000 - Introduction to Automotive Mechanisms**

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(3)

Introduction to major automotive systems, components operation and maintenance in modern vehicle. Vehicle coverage is expanded to include electric, gas, hybrid and fuel cell alternatives for greener transportation.

- **TECH 3700 - Power, Energy and Transportation**

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(3)

Comprehensive review of traditional and sustainable power technology: available energy forms; power conversion, coal, nuclear, wind power, photovoltaics, fuel cells; mobile applications, engines, clean transportation; energy management.

- **TECH 4700 - Electric and Hybrid Vehicles**

---

(3)

Prerequisite: TECH 3700 or with consent of instructor. Technology and application of electric and hybrid vehicles: power plant design, electric motor and heat engine characteristics, energy storage, system controls, fuel cells and solar powered vehicles.

- **TECH 4710 - Engine Design and Performance**

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(3)

Prerequisite: TECH 3700 or consent of instructor. Theory of engine design and operation; requirements of modern gasoline power plants and performance factors analyzed under varying operating conditions.

- **TECH 4760 - Measurement, Instrumentation and Control**

---

(3)

Prerequisite: TECH 3700 or with consent of instructor. Theory and application of sensor operation, data collection and processing for control in sustainable energy and transportation systems. Circuits, sensors, signal conditioning, microprocessors, logic, programming, data acquisition and system development.

- **TECH 4780 - Emerging Technologies in Power, Energy, and Transportation**

---

(3)

Varying content and topics relating to emerging power, energy, and transportation technologies. Includes research methodologies, proposal preparation, and investigation in individual, team, and class explorations. May be repeated up to 6 units. Lecture 1 1/2 hours, laboratory 4 1/2 hours.

**Professional and Elective (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 1010 - Industrial Safety**

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(3)

Industrial safety related to industry and school shops; history, accident facts, liability, psychology, worker performance, sources of information, and industrial methods of operation.

- **TECH 2000 - History of Technology**

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(3)

Human accomplishment in areas of discovery, invention, and industry from prehistoric times to present; emphasis on the conditions that brought about selected technologies and effects those technologies on humankind.

- **TECH 2500 - Impact of Technology on the Individual and Society**

---

(3)

An exploration of the ways technology impacts individual human development within global social systems. Including an emphasis on lifelong acquisition of technology skills with an optional service-learning component.

- **TECH 3820 - Metrology and Statistical Process Control**

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(3)

Adapting industrial operations to metric system; standards and application; development of instructional materials; and review of Statistical Process Control (SPC).

- **TECH 3980 - Cooperative Education (Undergraduate Students only)**

**(see UNIV 3980)**

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(1-3)

Cooperative Education

- **TECH 4000 - Written Communication Skills for Technology**

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(3)

Prerequisites: ENGL 1010 and UNIV 4000 or UNIV 4010. Written, oral, and research skills for the professional needs of Technology students with emphasis on education, public, industrial, business education and public sector requirements. Lecture 3 hours 20 minutes. (Graded ABCDF +/-).

**(WI)**

| Students   | Future students  | Faculty & Staff   | Alumni & Giving  | Community Partners                                  | Campus Resources   |
|--|--|---|--|---|--|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and | Center for Effective<br>Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development | Academy of Business<br>Leadership<br>EPIC<br>LACHSA | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report |



# University Catalog

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### Professional and Elective (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **TECH 4540 - Special Topics in Industrial Studies**

---

    - (3)
    - Current issues, problems, and interests in technology. May be repeated to maximum of 9 units as subject matter changes.
  
- **TECH 4880 - Fluid Power**

---

    - (3)
    - Prerequisite: PHYS 1100. Application of principles of industrial hydraulic and pneumatic circuits; emphases on basic laws and operation of pressure, directional control valves, and actuators as they apply to manual and automated circuits.
  
- **TECH 4890 - Industrial Training Methods**

---

    - (3)
    - Prerequisites: TECH 3700. Training approaches for industrial/technical management personnel; overview of design and management of the training function in the modern work world, instructional design, and delivery systems.
  
- **TECH 4950 - Industrial Technology Senior Project I**

---

(3)

Prerequisites: Completion of an area of concentration, Senior standing and/or instructor consent; must be taken in sequence starting with TECH 4950. Study of Industrial Technology design processes. TECH 4950 includes case studies to discuss the impact of design constraints. A formal report and oral presentation are required at the end of the term. Lecture 1 ½ hours, laboratory 4 ½ hours.

- **TECH 4990 - Undergraduate Directed Study**

---

(1-3)

Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated for 6 units of credit.

### **Psychology (Undergraduate)**

*PSY 1500 and GE blocks A and B are prerequisite to all upper division psychology courses.*

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

- **PSY 1500 - Introductory Psychology**

---

(3)

Psychological perspectives on human behavior; principles and methods of psychology as a science; introduction to major topic areas of psychology. Relationship of psychological principles to sociocultural experiences.

#### **C-ID PSY 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **GE D**

- **PSY 1600 - Psychology of the Developing Person**

---

(3)

Principles of life-span development from birth to death. Salient physiological, social, and psychological factors relevant to understanding development of the integrated person.

#### **C-ID PSY 180:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

#### **GE E**

- **PSY 1700 - Introductory Behavioral Neuroscience**

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(3)

Relationship between brain and behavior; includes biological determinants of the following: Sensation, perception, learning, memory, emotion, and cognition.

**C-ID PSY 150:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **PSY 2000 - Introduction to Psychological Science**

---

(3)

Prerequisites: Completion of GE Block A and PSY 1500. Introduction to psychology as a scientific discipline, including basic research concepts, research findings in various areas of psychology, training for undergraduate and graduate degrees, and fields of study/practice in psychology.

- **PSY 3020 - Statistics in Psychology**

---

(4)

Prerequisites: MATH 1020 and GE critical thinking (Block A3). Provides an introduction to statistics. Topics include statistical notation, descriptive procedures (tables, central tendency, variability), hypothesis testing, probability, inferential parametric and nonparametric procedures, written presentation of statistical results, and use of statistical software. Lecture 3 hours, laboratory 3 hours.

- **PSY 3030 - Positive Psychology**

---

(3)

Prerequisites: Completion of GE Block A, Block B4, one additional course from Block B, and one course each from Blocks C and D. The scientific study of positive human attributes and approaches to well-being; analysis of and research support for understanding the traits, virtues, and institutions which enable individuals and communities to thrive.

**GE UD D**

- **PSY 3040 - Research Methods in Psychology**

---

(4)

Prerequisites: Completion of GE Blocks A and B4, one additional course from Block B, at least one course each from Blocks C and D; PSY 3020. Experimental and non-experimental research design and methods. Introduces the scientific method, measurement and survey design, reliability and validity, and sampling. Students develop research projects and prepare APA-style scientific manuscripts. Use of statistical analysis software. Lecture 3 hours, laboratory 3 hours.

**GE (wi)**

- **PSY 3070 - Physiology and Psychology of Violence and Aggression**

**(also listed as NURS 3070)**

---

(3)

Prerequisites: Completion of GE Block A, Block B4, one additional course from Block B, and one course each from Blocks C and D. Biological and psycho-behavioral approaches to violent individuals; analysis of and research support for understanding the role diversity plays in intercultural and intergroup violence drawn from natural, medical and behavioral sciences.

**GE UD B (d)**

- **PSY 3080 - History and Systems of Psychology**

---

(3)

Critical survey of the principal historical developments in psychology, including significant philosophical and scientific influences, with an emphasis on pioneering individuals and major systems and their relevance to contemporary psychology.

- **PSY 3090 - Human Violence and Individual Change**

---

**(also listed as COMD 3090)**

(3)

Prerequisites: Completion of GE Block A and B4, one additional Block B course, and one course each from Blocks C and D. Examination of theories, research, and practices for accomplishing individual change; application of models of change to alter violent or counterproductive behaviors and attitudes; improving human interaction, and reducing violence/abuse. Some sections of this class may include a civic learning component where students volunteer in a community program addressing violence for 2 hours per week.

**GE UD D**

- **PSY 3100 - Abnormal Psychology I**

---

(3)

Prerequisite: PSY 1500. A basic survey of psychological disorders focusing on the context of how gender, race and culture impact our understanding of pathology and abnormality.

- **PSY 3180 - Psychology of Personality**

---

(3)

Description and evolution of major theories of personality, and critical evaluation of research findings in personality psychology.

- **PSY 3220 - Social Psychology**

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(3)

Introduction to major theories of social psychology with special emphasis on such topics as aggression, liking and loving, altruism, prejudice, and attitude theory and measurement.

- **PSY 3230 - Psychology of Emotion and Motivation**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, one additional Block B course, and one course each from Blocks C and D. The influence of learning, cognition, evolution, pharmacology and physiology on emotion and motivation.

**GE UD B (cI)**

- **PSY 3300 - Psychology of Prejudice and Discrimination**

---

(3)

Prerequisites: Completion of GE Block A, Block B4, one additional course from Block B, and one course each from Blocks C and D. Theories and research on causes and effects of prejudice and discrimination, focusing on racism, classism, sexism, heterosexism, and their intersections. Examination of personal experiences with prejudice/discrimination, and approaches to reducing prejudice and promoting intergroup communication and equality. Includes civic learning/community engagement component.

**GE UD D (cI)d**

- **PSY 3430 - Child and Adolescent Cognition**

---

(3)

Prerequisites: Completion of PSY 1600 with a grade of C or better. Cognitive changes from birth to adolescence. Major theories of cognitive development. Cognitive processes examined include memory, language, problem solving, social cognition, intelligence, symbolic thinking, reading, writing, math, and technology.

- **PSY 3540 - Selected Topics in Psychology**

---

(3)

Current topics of special interest to students in psychology, as announced in Schedule of Classes. May be repeated for credit.

- **PSY 3620 - Psychological and Psychosocial Developmental Stages in Maturity and Aging**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, one additional Block B course, and one course each from Blocks C and D. Critical evaluation of psychological and psychosocial issues related to adulthood and aging, with consideration of developmental theory and diversity issues.

**GE UD D**

- **PSY 3880 - Sex and Gender**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, one additional Block B course, and one course from Blocks C and D. Biological and psychological differences between the sexes; topics include genetics of sexual determination, sexual development and anomalies, hormones in physiology and behavior, psychological differences in behavior. .

**GE UD B**

- **PSY 3950 - Field Experience in Psychology**

---

(1-3)

Prerequisite: Department approval. Opportunity to study psychological principles of behavior in nonlaboratory settings. May involve observation and participation in community, clinical, educational, business or other organizational settings.

May be repeated to a maximum of 6 units. Graded CR/NC.

- **PSY 3980 - Cooperative Education**

---

(1-3)

Prerequisite: Completion of at least 12 psychology upper division units. Department approved employment opportunity to work in a setting that has a psychological orientation. Graded CR/NC. May be repeated up to a maximum of 6 units.

- **PSY 4010 - Physiological Psychology**

---

(3)

Prerequisite: PSY 1700. Relationship between integrated behavior and physiological processes; theories that relate psychology and physiology.

- **PSY 4020 - Media Psychology**

---

(3)

Review of theoretical and research literature to determine mass communication impact (e.g., film, television, print) on social and psychological functioning of individuals and societies.

- **PSY 4030 - Child Maltreatment and Domestic Violence**

**(also listed as COUN 4030)**

---

(3)

Prerequisite: PSY 1500. Introduction to child maltreatment and family violence; developmental considerations, victimization, assessment, preventions, interventions, safety plans, legal and ethical issues, roles of helping professionals, research findings and community resources.

- **PSY 4100 - Abnormal Psychology II**

---

(3)

Prerequisites: PSY 3100. An in-depth examination of psychological disorders with a focus on standardized diagnosis and treatment, exposure to readings and research examining current theory and practice in psychopathology.

- **PSY 4110 - Advanced Research Methods in Psychology**

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(3)

Prerequisite: PSY 3020 and PSY 3040. Logic of research methodology and statistical analysis; evaluation of adequacy of research strategies; interpretation of results.

- **PSY 4120 - Psychology of Human Development: Infancy and Childhood**

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(3)

Prerequisites: PSY 1500; GE Block A & B. Theory and empirical literature pertaining to infancy and childhood.



- **PSY 4130 - Psychology of Human Development: Adolescence and Young Adulthood**

---

(3)

Prerequisites: PSY 1500; GE Block A & B. Theory and empirical literature pertaining to adolescence and young adulthood.

- **PSY 4140 - Analysis of Variance**

---

(3)

Prerequisite: PSY 3020. Various analysis-of-variance models in analysis and interpretation of psychological data.

- **PSY 4150 - Interpersonal Relationships**

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(3)

Prerequisites: PSY 1500. The psychology of interpersonal relationships. Conceptual, methodological, and statistical issues in relationships research. Attraction and mate selection; relationship cognition; relationship development, conflict, dissolution, affiliation, loneliness, social support. Writing project.

- **PSY 4160 - Human Sexuality**

---

(3)

Psychology of human sexuality. Conceptual and methodological issues in sexuality research. Sexual development; attitudes and behavior; sexual/gender identity and orientation; paraphilias and variants; dysfunctions and treatment; victimization; individual/sociocultural differences.

- **PSY 4170 - Single Case Research Design**

---

(3)

Corequisite: PSY 4280. Basic types of single case experimental designs including withdrawal, reversal, multiple baseline, and multi element designs; methods of observation, measurement, recording behavior; assessing reliability of observations.

- **PSY 4190 - Psychology of Gender**

---

(3)

Prerequisites: GE critical thinking requirement (Block A3), introductory social science course, research methods course. Psychological research and theory about gender, emphasis on socialization, stereotyping, expectations and effects on individuals; differences and similarities between women and men; intersections of gender, race, socioeconomic status, and sexuality.

- **PSY 4210 - Psychology of Learning and Behavior**

---

(3)

Prerequisite: Upper division standing. Principles of classical and operant conditioning. Emphasis on experimental findings, mostly with nonhuman subjects, and their application to human behavior, with consideration of both current and historically relevant theories.

- **PSY 4240 - Cognitive Psychology**

---

(3)

Theories and experimental literature with respect to the nature of memory and cognition.

- **PSY 4250 - Sensation and Perception**

---

(3)

Prerequisites: PSY 1700, 3040. Examination of theories and experimental literature with respect to variables that determine the organism's ability to respond differentially to sense data.

- **PSY 4260 - Family Therapy Dynamics and Perspectives**

---

(3)

Prerequisite: PSY 3100 or 3180. Theoretical perspectives in family processes; treatment approaches; significant issues in family life.

- **PSY 4270 - Family Therapy Techniques: Strategies for Change**

---

(3)

Prerequisites: PSY 4260, instructor consent. General systems theory and analyses applied to marital and family problem solving.

- **PSY 4280 - Introduction to Analysis of Behavior**

---

(3)

Basic principles and procedures of behavior analysis and their application to understanding verbal, social, and abnormal behavior, and therapy as well as consideration of the ethics of applied behavior analysis.

- **PSY 4310 - Statistical Methods in Psychological Assessment**

---

(4)

Prerequisite: MATH 1020. Theoretical issues in individual differences; introduction to a variety of group and individual psychological tests and assessment techniques; role of tests in clinical evaluation; problems of reliability, validity, and interpretation. Lecture 3 hours, laboratory 3 hours.

- **PSY 4330 - Psychology of Cognitive Development**

---

(3)

Evolution of cognitive processes from simple organisms to adult human beings. Piaget's theory; development of dialectic operations; perceptual and language development and apprehension of reality; relationship of social development to cognitive development.

- **PSY 4350 - Behavior Analysis & Treatment of Developmental Disabilities**

---

(3)

Contemporary behavior-analytic research on assessment and treatment of individuals with developmental disabilities.

- **PSY 4360 - Introduction to Clinical and Counseling Psychology: Theories and Professional Issues**

---

(3)

Theories of counseling and psychotherapy; introduction to clinical interviewing techniques.

- **PSY 4370 - Counseling and Psychotherapy: Process and Skills**

---

(3)

Prerequisite: PSY 4360. Current issues in counseling and psychotherapy; practical application of current psychotherapy models; student participation in intensive evaluation of therapeutic techniques.

- **PSY 4380 - Introduction to Clinical and Counseling Psychology**

---

(3)

Issues in education, training, professional activities and employment opportunities in clinical and counseling psychology; designed primarily for students considering careers in these fields. Emphasis on counseling theories, cross-cultural counseling issues/research and assessment.

- **PSY 4390 - Racial/Ethnic Minority Mental Health**

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(3)

A critical evaluation of the research and clinical applications of cross-cultural psychology on mental health issues, including racism, relevant to Asian Americans, African Americans, and Latinos.

- **PSY 4400 - Behavior Analysis and Autism**

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(3)

Prerequisite: PSY 4170 or 4280. Provide basic information regarding autism by reviewing current research, etiology, and characteristics of individuals diagnosed with autism. The primary focus of the class will be on empirically validated, applied behavior-analytic approaches to treatment. Students complete group projects designed to practice common therapy skills.

- **PSY 4450 - Community Psychology - Service Learning**

---

(3)

Applies principles of social and clinical psychology to community problems and well-being; analysis of social systems; introduction to community mental health and community change. Includes service learning option: students volunteer in community agency.

- **PSY 4500 - Principles of Health Psychology**

---

(3)

Prerequisite: PSY 1500. The effects of health upon behavior and of behavior upon health. Psychological considerations

in health care.

- **PSY 4540 - Special Topics in Psychology**

---

(1-4)

Current topics of special interest to students in psychology, as announced in Schedule of Classes. May be repeated as subject matter changes.

- **PSY 4620 - Psychology of Human Development: Maturity and Aging**

---

(3)

Psychological factors in aging, including: developmental research methods, demographic trends, stereotypes of aging and ageism, cognition and memory, intelligence, creativity, wisdom, mental health, dementias, and death and dying.

- **PSY 4640 - Psychology and the Law**

---

(3)

Intersection of psychology and the legal system including child abuse, eyewitness memory, juror decision-making, child custody, pleas and sentencing. Rights and responsibilities of mental health providers; legal versus ethical practice.

- **PSY 4650 - Multicultural Psychology: Current Issues and Research**

---

(3)

Theoretical and empirical approaches to the psychological understanding of diverse cultural groups. Conceptualizations of similarity and difference. Current findings and methodological issues in multicultural research.

- **PSY 4850 - Directed Field Experience in Community Clinical Psychology**

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(3)

Prerequisites: PSY 3100 or 4100; 4120 or 4130; or 3220; agency acceptance. Application of psychological principles (interviewing, counseling) in supervised settings: service agencies, mental health centers, halfway houses, etc. Lecture, problem solving meetings, self and agency evaluation reports. May be repeated to a maximum of 6 units.

- **PSY 4900 - Human Memory**

---

(3)

Prerequisites: PSY 3040, and upper division standing. Principles of human memory. Emphasis on basic and applied experimental findings with a focus on individual differences and situational factors related to eyewitness memory and suggestibility in adults and children.

- **PSY 4910 - Multivariate Statistics**

---

(4)

Prerequisite: PSY 3020. Introduction to multivariate procedures focusing on degree of relationship, group differences, prediction of group membership, and latent structure. Emphasis on written presentation of results and use of statistical software. Lecture 3 hours, lab 3 hours.

- **PSY 4950 - Introduction to Graduate Study in Psychology**

---

(3)

Provides an overview of the graduate program and the critical analysis of research. Analytical application of research design; program requirements, thesis preparation, and career planning are reviewed. Graded CR/NC.

- **PSY 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Empirical or library research investigation supervised by faculty. Project selected in conference with sponsor before registration; regular progress meetings final report submitted. May be repeated for credit (6 units total).

### **Psychology (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- **PSY 5000 - Seminar: Learning and Behavior**

---

(3)

Examination of critical areas of the experimental literature in learning and behavior with a stress on issues related to the experimental analysis of behavior.

- **PSY 5010 - Seminar: Sensation and Perception**

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(3)

Prerequisite: PSY 4250. Critical review of theories, methods, and problems concerning sensation and perception.

- **PSY 5040 - Advanced Experimental Methods**

---

(3)

Prerequisite: Instructor consent. Nonstatistical issues in design of experimental psychological research. Topics include design logic, literature sources, apparatus, subjects. Emphasis on preparation of an experimental design in an area of student's interest.

- **PSY 5060 - Seminar: Physiological Psychology**

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(3)

Prerequisite: PSY 4010. Critical discussions, including physiological correlates and mechanisms of motivation and emotion, learning and memory, human psychopathology.

- **PSY 5100 - Seminar: Abnormal Psychology**

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(3)

Intensive analysis of major types of abnormal behavior, their development and prevention. Emphasis on relationship of abnormal behavior to theories of personality and research findings.

- **PSY 5110 - Seminar: Developmental Psychology**

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(3)

Prerequisites: PSY 3040, 4120AB or comparable undergraduate work in research methods and human development. Intensive analysis of current theories and research in developmental psychology.

- **PSY 5120 - Behavior Disorders in Children**

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(3)

Prerequisites: PSY 4100, 4120AB. Application of principles of psychology to behavior disorders in children. Designed primarily for clinicians, social workers, school psychologists, and parent educators.

- **PSY 5150 - Advanced Statistical Methods**

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(3)

Prerequisite: PSY 4140 or PSY 4910. Provides an overview of advanced parametric and non-parametric statistics.

- **PSY 5160 - Seminar: Interpersonal Relationships**

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(3)

Prerequisite: PSY 4150. The psychology of interpersonal relationships. Conceptual, methodological, and statistical issues in relationships research. Affiliation and attraction; relationship development; cognitive and affective processes; satisfaction and stability; intervention. Research project.

- **PSY 5220 - Seminar: Social Psychology**

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(3)

Prerequisite: PSY 3220. Theory, methodology, and applied problems dealing with the phenomena of social behavior. Individual projects required.

- **PSY 5280 - Seminar in Applied Behavior Analysis**

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(3)

The application of basic principles of behavior analysis to clinically and socially relevant problem behaviors with diverse populations. Discussion of methodological and conceptual issues in applied behavior analysis.

- **PSY 5310 - Individual Testing and Case Study Techniques**

---

(3)

Prerequisites: One of the following sequences: PSY 4100 and 4380; or 4100 and 4310. Intensive practice in administration and interpretation of better known tests of mental ability and personality dynamics, with attention to integration of results in case studies.

- **PSY 5360 - Seminar: Counseling**

---

(3)

Intensive discussion of typical counseling situations coordinated with readings in area; evaluation of selected counseling theories. Offered in general and special sections, e.g., child, family, group. May be repeated in different sections, with maximum of 8 units applied to master's degree.

- **PSY 5380 - Seminar: Conceptual Issues in Behavior Analysis**

---

(3)

Conceptual and theoretical issues in behavior analysis including, but not limited to, the writings of B. F. Skinner.

- **PSY 5420 - Human Sexuality: Dysfunction and Treatment**

---

(3)

Prerequisite: Six units of course work in theory and techniques of counseling. Theoretical perspectives on treatment of sexual dysfunction; diagnosis, treatment, research findings, ethical and cultural considerations.

- **PSY 5480 - Seminar: Behavior Analysis of Language**

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(3)

A Behavior analysis of language with an emphasis on Skinner's interpretation of verbal behavior.

- **PSY 5650 - Seminar in Multicultural and Cross-cultural Psychology**

---

(3)

Current findings and critical issues relating to ethnic minority and other culturally different groups, including Black/African American, Latino(a), Chicano(a), and Asian cultural groups; sexual minorities; and differently abled groups. The application of psychological principles toward alleviating psychosocial problems faced by culturally different groups.

- **PSY 5850 - Directed Clinical Practice**

---

(3)

Prerequisites: PSY 4260, PSY 4360AB, and PSY 5360; advancement to candidacy; departmental approval. Class discussion and group supervised experience for students providing individual and/or family therapy in college or community settings. May be repeated to 12 units. Grade CR/NC.

- **PSY 5880 - Critical Problems in Psychology**

---

(3)

Critical problems in psychology as a science or as a profession. Topic varies each quarter. May be repeated for credit.

- **PSY 5910 - Advanced Multivariate Statistics**

---

(4)

Prerequisite: PSY 4910. Multivariate procedures focusing on degree of relationship significance of group differences, prediction of group membership, latent structure, and time course of events. Emphasis on written presentation of results and use of statistical software. Lecture 3 hours, laboratory 3 hours.

- **PSY 5950 - Field Experience in Psychology**

---

(1-6)

Prerequisites: Advancement to candidacy; instructor consent; application to department in semester prior to enrollment. Independent supervised field experience in an applied area of psychology. May be repeated to maximum of 6 units. Graded CR/NC.

- **PSY 5960 - Comprehensive Examinations**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **PSY 5970 - Graduate Research**

---

(1-4)

Prerequisites: Advancement to candidacy; instructor consent to act as sponsor; departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated for credit. Graded CR/NC.

- **PSY 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: Advancement to candidacy; instructor consent to act as sponsor. Independent study of advanced topics in the field; regular conferences with sponsor. May be repeated for credit. Graded CR/NC.

- **PSY 5990 - Thesis**

---

(1-6)

Prerequisites: Advancement to candidacy, instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a thesis. May be repeated to maximum of 6 units. Graded CR/NC.

- **PSY 9000 - Graduate Studies**

---

(0)

Prerequisite: PSY 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Public Health (Undergraduate)**

- **PH 1500 - Health and Wellness**

---

(3)

Current health and safety issues with an emphasis on disease prevention and wellness by evaluating current health



knowledge and skills that can be incorporated into one's daily living or the health of groups and societies in contemporary culture.

- **PH 2010 - Medical Emergencies Management**

---

(3)

Principles and techniques for giving immediate and temporary treatment in emergency situations; includes first aid and personal safety, community CPR, legal and safety aspects of medical aid and American Red Cross certification.

- **PH 3750 - Health Disparities in Urban Communities**

---

**Also listed as CHS 3750 and CHDV 3750**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Health disparities affecting children and families in urban communities characterized by multiple diversity factors are explored. The intersectionality of factors and processes for promoting health equity and wellness are examined.

**GE UD D; (d)**

- **PH 3760 - Issues in Global Health**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Explores the emerging health challenges to people in the developing world. The effects of ecological, social, economic, and political changes on health are examined.

**GE UD D**

- **PH 3770 - Environmental Justice**

---

**(also listed as CHS 3770)**

(3)

Prerequisites: Prerequisites: Completion of GE Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Use of epidemiology in environmental health. Morbidity and mortality in communities of color and lower economic status due to disproportionate distribution of environmental contaminants. Some sections of this course may be offered online.

**GE UD B; (cl)**

- **PH 3780 - Current Issues in Urban Health**

---

(3)

Prerequisite: Completion of Blocks A and Block B4, one additional course from Block B, and at least one course each from Blocks C and D. Explores the health problems of Los Angeles, a diverse urban area. This course will examine the nature and epidemiology of local health problems, assess the systems in place to address them, and discuss interventions to address these problems.

**GE UD D; (cl)**

- **PH 4120 - Introduction to Epidemiology**

(also listed as MICR 412)

(3)

Fundamental principles in studying the distribution and determinants of health states and events in specified populations and implications for health and safety promotion and disease and injury prevention.

• PH 4130 - Data Analysis for Public Health

(3)

Prerequisite: MATH/ECON 1090, HHS 4000 or equivalent. Issues and practices in managing, presenting, analyzing, and interpreting health-related data emphasizing avoidance of common errors in study design, measurement, and statistics.

• PH 4140 - General Principles of Environmental Health

(3)

Upper division standing. General scope of disciplines within environmental health field; routes of entry into those disciplines.

• PH 4150 - Critical Issues in Health Policy

(3)

Prerequisite: PH 4330. This course examines the process of health care policy making, focusing on current, critical policy issues including cost and access to care, public health and government programs.

• PH 4160 - Research Analysis and Technical Writing for Public Health

(3)

Prerequisites: PH 4130 and satisfactory completion of Blocks A2 and A3. Research concepts and methods applicable to the practice of public health. Emphasis on developing technical writing skills, analyzing and critiquing research reports, and reporting on public health data.

(wi)



| Students   | Future students   | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources   |
|--|---|--|--|--|--|
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### Course Filter

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### Public Health (Undergraduate)

- PH 4210 - Community, Environmental Safety and Public Health Law

(3)

Prerequisite: PH/MICR 4120. Examination of federal, state and local laws governing public health, environmental health and occupational safety; overview of OSHA, CALOSHA, EPA, CALEPA regulations, enforcement procedures, appeal process; review of selected cases.

- PH 4220 - Vulnerable Populations

(3)

This course will focus on the health care needs and access to and quality of care received by a variety of vulnerable populations in the United States.

- PH 4230 - Sexuality and Sexual Health

(3)

Topics in sex and sexuality such as sex information and education, physiological individuality and response, contraceptives, sexually transmitted diseases, sexual dysfunctions and disorders, variety in gender identity and sexual expression.

- PH 4240 - Drugs and Health

(3)

Study of psychoactive drugs; drug-taking behaviors and issues related to dependence; physiological, psychosocial, legal and political aspects of drugs and health; strategies for drug abuse prevention, education and intervention. Fulfills teacher certification requirement in California.

- **PH 4250 - Quality Assurance in Health Programs**

---

(3)

Historical development of quality assurance regulations including accreditation, credentials, licenses, regulations, and health education evaluation; emphasis on current regulations including audits, utilization reviews, professional standards, and continuing education in relation to health care delivery programs.

- **PH 4260 - Consumer Health**

---

(3)

Overview of health-related products, services, providers, facilities, financing, misinformation, quackery, fraud, and consumer protection. Examines consumer rights, responsibilities, vulnerabilities, pitfalls, and opportunities related to purchasing decisions in the health marketplace.

- **PH 4310 - Community Health Care Programs**

---

(3)

Upper division standing. Analysis and review of community health programs and organizations; their structure, function and funding sources developed by professional and voluntary health agencies to address expanding community health needs.

- **PH 4320 - International Health**

---

(3)

Upper division standing. Review and analysis of historical and modern efforts to solve health problems; survey of global health problems; analysis of the role of international health agencies.

- **PH 4330 - Health Care Delivery System**

---

(3)

U.S. health care delivery system and its relationship to health science professions using a systems model; input, throughput, and output issues identified and explored.

- **PH 4340 - Health Promotion**

---

(3)

Prerequisite: PH 4310. Foundations of health promotion and health promotion program content including behavior modification; development and implementation for use in corporate medical care and community settings.

- **PH 4350 - Public Health Administration**

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(3)

Prerequisite: PH 4310. Fundamental and historical aspects of public health administration including development of public health in U.S., policies and procedures for disease control, present and future trends in public health.

- **PH 4360 - Health Communication**

---

(3)

Prerequisite: PH 4340. Principles of planning and development of health communication programs in community health; strategies to develop activities for effective communication of health information for the general public, patients and allied health practitioners.

- **PH 4370 - Proseminar: Current Issues in Health**

---

(3)

Prerequisites: PH 1500 and PH 4160. Examination of current issues and trends in community health; analysis of implications in education and service delivery; development of problem solving techniques.

- **PH 4960 - Internship in Public Health**

---

(3)

Prerequisite: Consent of internship advisor. Monitored field study experience in approved agencies under the guidance of faculty and field preceptor. Includes online discussion to foster context of material to public health coursework. Graded CR/NC

Service Learning

- **PH 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration, progress meetings held regularly, and a final report submitted. May be repeated to maximum of 4 units.

### **Public Health (Graduate)**

- **PH 5110 - Social and Behavioral Sciences**

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Principles, theories, concepts, and techniques of social and behavioral sciences that can be used to effectively inform the identification, assessment, and solution of public health problems.

- **PH 5120 - Biostatistics**

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Development and application of statistical reasoning and methods in addressing, analyzing, and solving problems in public health; health care; and clinical and population-based research.

- PH 5130 - Environmental Health

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Exploration of factors in the environment that affect human health and methods for promoting health via environmental methods.

- PH 5140 - Principles of Epidemiology

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Basic concepts, principles of epidemiology, and methods of epidemiological designs.

- PH 5150 - Health Services Administration

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Analysis of public health programs. This course will examine the organization, finance, and delivery of health care in the US, and skills pertinent to leadership and public health administration.

- PH 5210 - Critical Issues in Urban Health

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. Exploration of health issues prevalent in urban populations, and their contributing factors. Analysis of local social systems, health interventions, and policy approaches addressing the needs of low-income, diverse populations.

- PH 5220 - Program Planning and Evaluation

---

(3)

Prerequisite: PH 5110. Knowledge, skills and competencies required for program planning in urban community health; a systematic approach to program planning guided by appropriate theories; and techniques for evaluation of health education and health promotion programs.

- PH 5230 - Public Health Research Methods

---

(3)

Prerequisite: PH 5120. Research methodology and design relevant to conducting public health research and evaluation of public health policy and intervention.

- PH 5240 - Urban Health Policy

---

(3)

Prerequisite: PH 5210. Processes of health policymaking and the roles of various participants in that process. Course will apply the tools of policy analysis to explore policy challenges and options in urban health.

- **PH 5240 - Urban Health Policy**

---

(3)

Prerequisite: PH 5210. Processes of health policymaking and the roles of various participants in that process. Course will apply the tools of policy analysis to explore policy challenges and options in urban health.

- **PH 5260 - Capstone Project**

---

(1)

Prerequisite: Instructor consent. Co-requisite: PH 5950. Students will write a manuscript discussing the project they are completing in their fieldwork.

- **PH 5310 - Social Networks and Health**

---

(3)

Prerequisite: A bachelor's degree and admission into the Master of Public Health (MPH) program or instructor consent. An introduction to the theory, methods, and procedures of network analysis with emphasis on applications to public health programs.

- **PH 5960 - Comprehensive Examination**

---

(3)

Prerequisite: Instructor consent. See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **PH 5970 - Graduate Research**

---

(3)

Prerequisites: Instructor consent to act as sponsor, departmental approval of project prior to registration. Independent research under guidance of the faculty. May be repeated to maximum of 6 units. Graded CR/NC.

- **PH 5970 - Research Project (2)**

---

Prerequisite: Instructor consent. Students will complete a research project where they apply concepts and skills learned in the MPH program to investigate a significant issue or topic in their areas of interest.

- **PH 5980 - Graduate Directed Study**

---

(3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to maximum of 6 units.

#### **Religious Studies (Undergraduate)**

- **RELS 2000 - Introduction to Comparative Religions**

**(also listed as PHIL 2000)**

---

(3)

Methods and concepts in comparative religions; multidisciplinary approaches to the study of ancient and contemporary religious phenomena in diverse societies.

**GE C2(d)**

- **RELS 3110 - Seeking the Holy: Ancient Traditions, Modern Practices**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Comparative analysis of the ways in which texts, objects, environments, spaces, music and rituals associated with ancient religions shape contemporary human spiritual and social practices.

**GE UD D; (d); (wi)**

- **RELS 3250 - Themes of Adult Life in the World's Religions**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. The role of major world religions in different stages of human maturity and aging, as shaped by factors of race, ethnicity, gender, social-class, and ability/disability.

**GE UD C (d)**

- **RELS 3350 - Gender and Sex in the Diversity of World Religions**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Beliefs and practices of major world religions concerning gender roles, sexuality, and sexual orientation, and their manifestations in different social classes and racial and ethnic groups.

**GE UD C (d)**

- **RELS 3400 - Religion, Secularism, and Civic Identity**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Explores the relationship between 'religion' and 'state' through a variety of social-scientific approaches and case studies, past and present; group civic-learning project on religious communities in Los Angeles neighborhoods.

**GE UD D (c1)**

- **RELS 3500 - Religion, Spirituality, and Ethnic Identity**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examination of religion and spirituality as forms of ethnic identity, including the use of religion to justify racial/ethnic discrimination and to challenge racial/ethnic discrimination.

**GE UD C (re)**



- **RELS 3650 - Science and Religion**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Comparison of goals, methods, settings, and practitioners of religion and science, past and present, through an examination of historical and present-day case studies.

**GE UD B**

- **RELS 3800 - Emotion in Religion**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Emotion in world religions: diversity of feeling and expression according to beliefs, ethics, rituals, social organization, gender, class, race, and ethnicity.

**GE UD D (d)**

- **RELS 3850 - Spiritual Assessment and Care of the Older Adult**

---

**Also listed as NURS 3850**

(3)

Prerequisite: Completion of GE Blocks A and B4, one additional course from Block B, and one course each from Blocks C and D. Exploration of the older adult's spiritual needs during illness and disability and how spiritual care may be closely integrated with that of body and mind.

**GE UD C; (d)**

- **RELS 4150 - History of Ancient Greek and Roman Religions**

---

**Also listed as HIST 4150**

(3)

Greek and Roman religious ideas from 2500 BCE until 500 CE: from Indo-European nomadic religion through "classical" Greco-Roman city-state polytheism, mystery cults, and tragedy's exploration of religious themes until Christianity.

- **RELS 4225 - Religion and Society in Medieval Europe**

---

**(also listed as HIST 4225)**

(3)

History of European religious beliefs and practices from the 3rd to the 15th centuries, emphasizing the diversity within medieval Christianity.

- **RELS 4280 - Migration, Identity, and Religion**

---

**(also listed as CHS 4280 and LAS 4280)**

(3)

Examines the role of the Theology of Liberation and Evangelical Christianity in the lives of Mexicans and Latin Americans in their home countries as well as immigrants in the US.

- **RELS 4540 - Special Topics in Religious Studies**

---

(3)

Topics of special interest as announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **RELS 4705 - Religion and Spirituality in American Indian Communities**

---

(3)

Religious and spiritual traditions in American Indian, First Nations, and Alaska Native communities, from both historical and contemporary perspectives, with emphasis on indigenous perspectives.

- **RELS 4775 - American Religious History**

**(also listed as HIST 4775)**

---

(3)

Principal religious figures, groups, issues and movements in U.S. history, with an emphasis on their place in the development of American culture.

### **Secondary Education (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.*

- **EDSE 4010 - Instructional Strategies in Secondary Teaching**

---

(3)

Prerequisite: Completion of all requirements for formal admission to single subject credential program. Course restricted to preservice candidates to be taken in block one of the program. Theoretical and practical aspects of instructional design along with developing skills and understandings required by prospective and beginning secondary school teachers for effective instructional planning implementation, assessment, classroom management, and evaluation of instructions; analysis of special instructional and curricular problems in secondary schools.

- **EDSE 4010S - Instructional Strategies in Secondary Teaching - Spanish**

---

(3)

Prerequisite or co-requisite: EDCI 4000. Skills and understandings required by prospective and beginning secondary school teachers for effective planning, implementation, and evaluation of bilingual instruction; analysis of special instructional and curricular problems in secondary schools. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDSE 4150 - Classroom Management in Secondary Schools**

---

(3)

Course restricted to preservice candidates to be taken in block one of the program. Identification and resolution of classroom management and control problems in secondary schools; study and application of selected strategies, teacher control techniques, and related research.

- **EDSE 4212C - Instructional Methods for Secondary School Subjects - Science**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212I - Instructional Methods for Secondary School Subjects - Industrial Technology**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212L - Instructional Methods for Secondary School Subjects - Languages Other than English**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212M - Instructional Methods for Secondary School Subjects - Mathematics**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212N - Instructional Methods for Secondary School Subjects - English and Language Arts**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212P - Instructional Methods for Secondary School Subjects - Physical Education**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212R - Instructional Methods for Secondary School Subjects - Art**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in

specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212S - Instructional Methods for Secondary School Subjects - Social Science**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4212U - Instructional Methods for Secondary School Subjects - General Music**

---

(3)

Prerequisite: Successful completion of all credential prerequisites. Instructional strategies and curricular themes in specific subjects taught in secondary schools. Single subject teaching credential candidates must complete one methods course to meet credential requirements.

- **EDSE 4230S - Teaching Reading in Secondary Schools - Spanish**

---

(3)

Prerequisites: EDSE 4010S, 4150, 4450A, EDFN 4400. Reading in secondary school content areas; reading as an instructional tool in bilingual secondary classes; strategies to improve reading at secondary level; provision for field experience. Includes observation and participation in a field setting. This course is offered in English/Spanish combination. Bilingual authorization standards are also emphasized.

- **EDSE 4301 - Supporting Academic Language Development for English Learners**

---

(3)

Prerequisites: Completion of all courses in prerequisite block. First and second language acquisition theories and ELD & SDAIE strategies that increase English language skills and accessibility to core content texts for English learners and language minority students.

- **EDSE 4450A - Proseminar: Learning Environments and Instruction in Secondary Schools**

---

(3)

Organization of learning environments and instructional practices to support student learning with the socio-cultural context of urban secondary classrooms. Observation and participation in secondary schools.

- **EDSE 4450B - Proseminar: Inquiry into Curriculum, Teaching, and School Culture**

---

(3)

Understanding of dimensions of school culture in curriculum and instruction. Using school culture information to develop and deliver curriculum and assessment. Observation and participation in secondary schools.

- **EDSE 4453 - Directed Teaching in Secondary Schools**

---

(5-7)

Prerequisites: Successful completion of all credential prerequisites, introductory block, developmental block, and instructional block. Corequisite: EDSE 4463. Four periods per day of directed teaching in an assigned school. CR/NC only.

- **EDSE 4463 - Proseminar: Assessment of Teaching Performance**

---

(3)

Prerequisites: Successful completion of all credential prerequisites, introductory block, developmental block, and instructional block. Corequisite: EDSE 4453. Seminar to accompany directed teaching to provide candidates opportunities for self and peer reflection, professional growth, and summative program portfolio assessment.

- **EDSE 4502 - Understanding Academic Language Development**

---

(2)

Prerequisite: Successful completion of all credential courses in the introductory block. Credential and MA candidates will learn methods for using literacy in secondary content area classes. Candidates will identify the discourse, syntax and vocabulary necessary to teach literacy in their discipline.

- **EDSE 4890 - Demonstration of Instructional Competencies**

---

(7)

Prerequisites: Formal admission to the credential program; completion of credential courses in Blocks One through Three; completion of the subject matter competency. Corequisite: EDSE 442E. Demonstration of teaching competencies for full-time secondary teachers. Must include two periods in subject area of credential. Meets California Single Subject teaching credential requirement for directed teaching. Four periods per day of directed teaching at an approved school site. May be repeated for credit with division approval. Graded CR/NC.

- **EDSE 4900 - Problems in Secondary Education**

---

(1-3)

Investigation of unique problems in secondary education. Specific subject announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **EDSE 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit.

### **Secondary Education (Graduate)**

*Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

- **EDSE 5001 - Introductory Seminar: Reflections on Teaching**

---

(3)

Inquiry into theories and principles guiding classroom practice in middle and secondary schools. Addresses instructional problems and issues as well as methods for their investigation and solution.

- **EDSE 5900 - Teaching in Multicultural Middle and Senior High School Classrooms**

---

(3)

Prerequisites: Completion of all requirements for formal admission to the Los Angeles Urban Teacher Residency Credential program and completion of Residency Block II of the program. Course examines research-based strategies for designing, implementing and evaluating culturally appropriate and student-centered curriculum and instruction in multicultural, urban middle and secondary classrooms.

- **EDSE 5940 - Selected Studies in Secondary Education**

---

(1-3)

Prerequisite: Consent of division chair. Intensive study of designated problems in secondary education. May be repeated for a maximum of 12 units for credit as subject matter changes.

- **EDSE 5970 - Graduate Research**

---

(1-3)

Independent research under guidance of faculty. May be repeated to a maximum of 12 units for credit. Graded CR/NC.

- **EDSE 5980 - Graduate Directed Study**

---

(1-3)

Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 12 units for credit.

### **Social Work (Undergraduate)**

*PSY 1500 or SOC 2001 or 2020, normally prerequisite to all upper division SW courses, may be waived only with instructor consent.*

*Some 4000-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **SW 3010 - Writing and Computers in Social Work**

---

(3)

Prerequisite: Admission to the Social Work Major. This course teaches reasoning and writing skills for comprehending and communicating information in social work. This course introduces computer application programs and how they relate to various writing requirements of the social services profession. Lecture 2 hours; laboratory 2 hour. This course may be offered as an online or hybrid course.

**(wi)**

- **SW 3550 - Strategies for Preventing and Intervening in Family Violence and Abuse**

---

(3)

Prerequisites: Completion of Blocks A and B4, and additional course from Block B, and at least once course each from Blocks C and D. Major theories used to explain family violence; emphasis on preventing abuse and intervening with victims across the age span; social policy and legal issues. This course may be offered as an online or hybrid course.

**GE UD D**

- **SW 3620 - From Institutional Racism to Cultural Competency**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course from Blocks C and D. This course provides an introduction to the theories and factors underlying racism, the institutionalism of racism, and the development of cultural competency to combat racism.

**UD D; (d)**

- **SW 3630 - Immigration and Social Policy**

---

(3)

Prerequisites: Completion of Block A and Block B4, one additional course from Block 4, and at least one course each from Blocks C and D. This course explores past and current issues in American immigrant legislation and impacts upon the social services delivery system from the perspective of the recent immigrant. This course may be offered as an online or hybrid course.

**GE UD D; (cl) re**

- **SW 3650 - Social Policy and Aging**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. This course focuses on the increased aging and diversity of the U.S. population, highlighting the social, economic, health, and mental health issues impacting the population and the role of programs and policies in meeting the needs of an aging, increasingly diverse population, and their families. This course may be offered as an online or hybrid course.

**GE UD D; (d) and (re)**

- **SW 3700 - Field of Social Work**

---

(3)

Prerequisite: Social Work major. Overview of social work profession; including contemporary practices and policies of social welfare agencies. Minimum C grade required for passing.

- **SW 3710 - Culturally Competent Social Work Practice**

---

(3)

Prerequisite: Social Work Major and SW 3700. Instruction in the delivery of culturally competent social work services with diverse groups in society.

- **SW 3711 - Human Behavior and the Social Environment: Prenatal Through Early Adolescence**

---

(3)

Prerequisite: Upper Division Status. Application of social work practice principles, values, knowledge, and skills in assessment of human behavior within context of social environment from birth to early adolescence.

- **SW 3712 - Human Behavior and the Social Environment: Late Adolescence Through Old Age**

---

(3)

Prerequisite: SW 3711. Application of social work practice principles, values, knowledge, and skills in assessment of human behavior within context of social environment from late adolescence through old age.

- **SW 3720 - Interviewing Skills for Social Work Practice**

---

(3)

Prerequisite: Social Work Major and SW 3700. Examination of knowledge and skill development related to effective communication and interviewing in social work practice.

- **SW 3761 - Child Welfare**

---

(3)

Prerequisites: Completion of Block A and Block B4, one additional course from Block B, and at least one course each from Blocks C and D. This course describes to families, children, and youth; the network of preventive and supportive services; child neglect and abuse; children and the legal system; and foster care, institutional care, group homes, and adoptions. This course may be offered as an online or hybrid course.

**GE UD D**

- **SW 3762 - Cross Cultural Practice with Older Adults**

---

(3)

Prerequisites: Completion of Block A and Block B4, one additional course from Block B, and at least one course each from Blocks C and D. This course exposes students to cross cultural and direct practice with older adults through examination of ethnicity, age, race, gender, social class, and religion to meet the health and human services needs of the increasingly diverse aging segment. This course may be offered as an online or hybrid course.

**GE UD D; (cl)**

- **SW 3763 - Forensic Social Work Practice**

---

(3)

Prerequisite: Upper Division Status. This course deals with the history, philosophy, legal basis, and procedures governing practice in the civil, family, and criminal court systems. This course may be offered as an online or hybrid course.

- **SW 3820 - Community Organizing**

---

(3)

Prerequisites: Completion of Block A and Block B4, one additional course from Block B, and at least one course each from Blocks C and D. This course applies stages of the generalist social work method to community organizing, community analysis, dynamics of social power and formal organizations. This course may be offered as an



online or hybrid course.

**GE UD D; (cl)**

- **SW 3850 - The Homeless in Society**

---

(3)

Prerequisites: Completion of Block A and Block B4, one additional course from Block B, and at least one course each from Blocks C and D. This course examines the homeless and homelessness, including cultural, health, sociopolitical, economic, legal issues, policy, programs, and service delivery responses. This course may be offered as an online or hybrid course.

**GE UD D; (cl)**

- **SW 3910 - Social Work Research Methods**

---

(3)

Prerequisite: MATH/ECON 1090 or HHS 4000 or SOC 2100 or EDFN 4520. Scientific, analytic approach to knowledge building and practice in social work; experimental, quasi-experimental, and single subject research designs; sampling, survey methods, case studies, exploratory-descriptive studies, and evaluation research. This course may be offered as an online or hybrid course.

- **SW 4540 - Selected Topics in Social Work**

---

(1-4)

Current topics of special interest in social work, as announced in Schedule of Classes. May be repeated for credit.

- **SW 4560 - Multidisciplinary Teams, Child Maltreatment, and Family Violence**

---

(3)

Prerequisite: Upper Division Status. Personal and professional responsibility in reporting, preventing, and treating child maltreatment; a multidisciplinary team approach to problems of child maltreatment and family violence. This course may be offered as an online or hybrid course.

- **SW 4630 - Diversity and Intersectionality in Social Work**

---

(3)

Prerequisite: Admission to the Social Work Major and SW 3700. This course presents theories of diversity and intersectionality applicable to social work, examines the impact of diversity issues on clients, and applies these ideas to working with diverse clients. This course may be offered as an online or hybrid course.

- **SW 4650 - Programs and Policies Related to the Elderly**

---

(3)

Prerequisite: Upper division standing. Policies, programs, and service delivery systems related to the elderly; descriptive and normative analysis of social problems related to aging with emphasis on ethnic minorities.

- **SW 4740 - Social Work Practice with Individuals and Families**

---

(3)

Prerequisite: Admission to the Social Work Major, SW 3700 and SW 3720. Practice theory and skill development derived from a variety of frameworks for application in professional social work practice with individuals and families. This course may be offered as an online or hybrid course.

- **SW 4750 - Social Work Practice with Groups**

---

(3)

Prerequisite: Social Work Major, SW 3700 and SW 3720. Theory, principles, and skill development concerning direct practice with small groups. This course may be offered as an online or hybrid course.

- **SW 4780 - Social Welfare Policy and Social Services**

---

(3)

Prerequisites: Admission to the Social Work Major and SW 3700. Identifying, formulating, implementing, and evaluating social welfare policy options. Design and implementation of social service delivery systems. Minimum C grade required for passing. This course may be offered as an online or hybrid course.

- **SW 4830 - Financial Capability and Asset Building**

---

(3)

Prerequisite: Upper Division Standing. This course prepares social workers to enhance clients' financial capability. This course may be offered as an online or hybrid course.

- **SW 4840 - Community Engagement, Service Learning, and Community Practice with Youth**

---

(3)

Prerequisite: Upper Division status. This course prepares students to work with youth using the empowerment model and contextualizes social work courses on human behavior and child welfare policy. This course may be offered as an online or hybrid course.

- **SW 4850 - Social Work Practice with Military and Veteran Populations**

---

(3)

Prerequisite: Upper Division status This course explores social work practice specific to military and veteran populations. This course may be offered as an online or hybrid course.

- **SW 4860 - Social Work Practice with Lesbian, Gay, Bisexual and Transgender Populations**

---

(3)

Prerequisite: Upper Division status. The purpose of this course is to enhance students' professional competence with lesbian, gay, bisexual, and transgender (LGBT) people. This course may be offered as an online or hybrid course.



# University Catalog

## Catalog Search

Semester Catalog 2017-2018

Courses  S

## Course Descriptions



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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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Find whole word or phrase only.

### Social Work (Undergraduate)

*PSY 1500 or SOC 2001 or 2020, normally prerequisite to all upper division SW courses, may be waived only with instructor consent.*

*Some 4000-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

- **SW 4870 - Forensic Social Work: Focus on Involuntary Clients**

(3)

Prerequisite: Upper Division Status This course examines the roles of social workers in the legal system with an emphasis on criminal justice issues. This course may be offered as an online or hybrid course.

- **SW 4900 - Latino Mental Health**

(3)

Prerequisite: Upper Division Status. Psychosociocultural aspects of mental health problems and issues within Latino community; factors affecting mental/emotional well-being, the design and delivery of culturally based services, and implications for practice and research. Service in an agency serving Latino clients is required. This course requires service learning. This course may be offered as an online or hybrid course.

- **SW 4951 - Integrative Field Practicum I**

(3)

Prerequisite: Admission to the Social Work Major, SW 3010, SW 3700, SW 3711, SW 3712, SW 3720 and 90 units or more. This course is a supervised field placement for generalist social work practice. This course may be offered as an

online or hybrid course.

- **SW 4952 - Integrative Field Practicum II**

---

(3)

Prerequisites: Admission to the Social Work Major and SW 4951. This course is a supervised field placement for generalist social work practice. This course may be offered as an online or hybrid course.

#### **Social Work (Graduate)**

*Some 400-level courses may be applied toward master's degree requirements, subject to limits established by the school and approval of the graduate adviser:*

*Classified graduate standing is required for admission to all 500-level courses.*

- **SW 5100 - Overview of Human Behavior and the Social Environment**

---

(2)

Prerequisite: Admission to the MSW Program. Human growth and development from birth through young adulthood, including views based on biological, psychological, cultural, interpersonal, and social structural assumptions. Examination of theoretical perspectives that discuss human development and behavior across the life course from a multidimensional context and that present applications to social work practice.

- **SW 5101 - Human Behavior and the Social Environment I**

---

(3)

Prerequisite: Admission to MSW Program. Human growth and development from birth through early childhood, including views based on biological, psychological, cultural, interpersonal, and social structural assumptions. Examination of theoretical perspectives that discuss human development and behavior across the life course from a multidimensional context and that present applications to social work. This course may be offered as an online or hybrid course.

- **SW 5102 - Human Behavior and the Social Environment II**

---

(3)

Prerequisite: SW 5101. Building on theoretical knowledge associated with human behavior/development, this course examines normative biopsychosocial developmental issues from middle childhood into young adulthood and the influence of contextual variables on development. This course may be offered as an online or hybrid course.

- **SW 5103 - Human Behavior and the Social Environment III**

---

(3)

Prerequisite: SW 5101. Building on theoretical knowledge associated with human behavior/development, this course examines normative biopsychosocial developmental issues from middle adulthood into late adulthood and the influence of contextual variables on development. This course may be offered as an online or hybrid course.

- **SW 5200 - Overview of Ethics, Foundational Principles of Social Work Treatment, and Mental Health Assessment and Diagnosis**

---

(2)

Prerequisite: Admission to the MSW Program. Overview of knowledge and skill related to ethical practice and effectively developing the client-worker relationship; theory and practice focusing on the problem-solving approach, psychodynamic techniques, and crisis intervention; and instruction in using the DSM for diagnosis and treatment.

- **SW 5201 - Ethics and Engagement**

---

(3)

Prerequisite: Admission to MSW Program. Examination of knowledge and skill related to ethical practice and effectively developing the client-worker relationship. This course may be offered as an online or hybrid course.

- **SW 5202 - Foundational Principles of Therapy, Counseling and Services**

---

(3)

Prerequisites: Admission to the MSW Program. Theory and practice focusing on the problem-solving approach, psychodynamic techniques, and crisis intervention. This course may be offered as an online or hybrid course.

- **SW 5203 - Mental Health Assessment and Diagnosis**

---

(3)

Prerequisites: SW5201. Instruction in using the DSM for diagnosis and treatment. This course may be offered as an online or hybrid course.

- **SW 5204 - Advanced Models of Therapy, Counseling and Services**

---

(3)

Prerequisite: SW 5202. Practice theory and skill development derived from a variety of frameworks for selective application in professional social work practice with diverse, cross-cultural, and micro-level systems. This course may be offered as an online or hybrid course.

- **SW 5301 - History of Social Welfare Policy and Introduction to Policy Practice**

---

(3)

Prerequisite: Admission to the MSW program. History, philosophy, ethics, functions and structures of social welfare institutions and the social work profession within sociopolitical, economic and cultural systems and analysis of policies designed to address social problems. This course may be offered as an online or hybrid course.

- **SW 5302 - Community Organizing**

---

(3)

Prerequisite: SW5301. Social work interventions with natural and formed groups; understanding of community development, especially in low-income and under-represented communities; community organizing theories and analysis. This course may be offered as an online or hybrid course.

- **SW 5303 - Administration of Social Service Agencies**

---

(3)

Prerequisite: SW 5301. Issues in management and organizational behavior within human service systems; leadership;

decision making; conflict resolution; program and staff development; fiscal management; working with boards and volunteers. This course may be offered as an online or hybrid course.

- **SW 5304 - Advanced Policy Analysis and Practice**

---

(3)

Prerequisite: SW5301. Analysis of federal, state, and local policies affecting social welfare populations; impact of demography, diversity, and intergenerational claims on shaping policies; advocacy to promote social justice in policy-making and implementation. This course may be offered as an online or hybrid course.

- **SW 5400 - Overview of Social Welfare Research and Statistics**

---

(2)

Prerequisites: Admission to the MSW program. Overview of research designs and methodologies in social work; problem formulation, sampling techniques, instrument construction, evaluation research, descriptive and inferential statistics, and data analysis.

- **SW 5401 - Social Welfare Research and Statistics**

---

(3)

Prerequisites: Admission to the MSW program. Research designs and methodologies in social work; problem formulation, sampling techniques, instrument construction, evaluation research. This course may be offered as an online or hybrid course.

- **SW 5402 - Advanced Social Welfare Research**

---

(3)

Prerequisite: SW 5401. This course provides instruction on advanced research designs and methodologies in Social Work in preparation for the Master's Project/Thesis. Research questions and hypotheses, protection of human subjects, advanced quantitative and qualitative research methods will be covered in this course. This course may be offered as an online or hybrid course.

- **SW 5491 - Field Practicum I**

---

(3)

Prerequisite: Admission to MSW Program. This course is a supervised field placement for generalist practice with individuals, families, groups and communities.

- **SW 5492 - Field Practicum II**

---

(3)

Prerequisite: SW 5491. This course is a supervised field placement for generalist practice with individuals, families, groups and communities.

- **SW 5540 - Selected Topics in Social Work**

---

(1-3)

Current topics of special interest in social work, as announced in Schedule of Classes. May be repeated for credit.

- **SW 5802 - Recovery and Empowerment in Mental Health**

---

(3)

Prerequisite: Admission to the MSW Program. This course examines the recovery process in mental health, a consumer empowerment model. This course may be offered as an online or hybrid course.

- **SW 5804 - Trauma, Substance Abuse and Violence**

---

(3)

Prerequisite: Admission to the MSW Program. Examines advanced social work practice interventions with clients impacted by trauma, physical and sexual violence, and substance abuse. Emphasis is placed upon effective cross-cultural service delivery of contemporary, integrative interventions that are innovative and evidence based.

- **SW 5805 - Policy and Practice in Public Child Welfare**

---

(3)

Prerequisite: Admission to the MSW Program. This course examines contemporary practice in California's public child welfare systems in the context of current policy and administrative issues. This course may be offered as an online or hybrid course.

- **SW 5806 - Grief and Loss in Later Life**

---

(3)

Prerequisite: Admission to the MSW Program. This course examines historical, cultural, societal, and personal perspectives on grief and loss in contemporary society and, in particular, how it impacts older adults.

- **SW 5911 - Field Practicum III**

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(3)

Prerequisite: SW 5492. Advanced case and group management and community planning responsibilities in a supervised field setting.

- **SW 5912 - Field Practicum IV**

---

(3)

Prerequisite: SW 5911. Advanced case and group management and community planning responsibilities in a supervised field setting.

- **SW 5950A - Field Practicum I**

---

(3)

Prerequisite: Admission to MSW Program. This course is a supervised field placement for generalist practice with individuals, families, groups and communities. This course may be offered as an online or hybrid course.

- **SW 5950B - Field Practicum II**

---

(3)

Prerequisite: SW 5950A. This course is a supervised field placement for generalist practice with individuals, families, groups and communities. This course may be offered as an online or hybrid course.

- **SW 5950C - Field Practicum III**

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(3)

Prerequisite: SW 5950B. Advanced case and group management and community planning responsibilities in a supervised field setting. This course may be offered as an online or hybrid course.

- **SW 5950D - Field Practicum IV**

---

(3)

Prerequisite: SW 5950C. Advanced case and group management and community planning responsibilities in a supervised field setting. This course may be offered as an online or hybrid course.

- **SW 5960 - Graduate Studies**

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See the Comprehensive Examination in the requirements for the [Master's Degree](#) section of this chapter.

- **SW 5970 - Graduate Studies**

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **SW 5990 - Thesis or Research Project**

---

(3)

Prerequisite: SW 5402. This course is the second in a series of two courses that culminate in the production of a three chapter Master's Project/Thesis. The course addresses the application of research to Social Work policy and practice. Non-traditional grading system (Graded CR/NC). This course may be offered as an online or hybrid course.

- **SW 5991 - Thesis or Research Project**

---

(3)

Prerequisite: SW 5402. This course is the second in a series of two courses that culminate in the production of a three chapter Master's Project/Thesis. The course addresses the application of research to Social Work policy and practice.

- **SW 9000 - Graduate Studies**

---

(0)

Prerequisite: SW 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.



## **Sociology (Undergraduate)**

*SOC 2010 normally is prerequisite to all upper division courses in sociology and may be waived only with instructor consent.*

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **SOC 1001 - Individual Development in Diverse Contexts**

---

(3)

Social, psychological, and socialization processes, and intersections among gender, LGBT, class and race/ethnicity affecting identity formation throughout the lifespan. Understanding differential opportunity structures and success strategies in life-long problem-solving. Community-based activity is required. Graded ABC/NC.

**GE E; (d)**

- **SOC 1010 - Social Problems**

---

(3)

Methods that social institutions and interest groups use to define "social problems," including poverty, substance abuse, delinquency, racism, sexism, crises in education and health care, and urban/environmental issues; policy implications.

**C-ID SOCI 115:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **SOC 1200 - Intimate Relationships in Our Diverse Society**

---

**(also listed as CHDV 1200)**

(3)

Developing personal awareness, knowledge and skills in communication styles, conflict management, and interaction principles among intimate partners/friends/siblings. Intersectional gender, LGBT, class, and race/ethnicity issues within relationships and in social context. Some sections may be offered in online or hybrid format.

**C-ID SOCI 130:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE E; (d)**

- **SOC 2010 - Introduction to Sociology**

---

(3)

Social institutions, social interaction, and group behavior; social order and change. Issues include inequality, globalization, pluralism, distribution of privilege and power, sources of cooperation and conflict, deviance and social control.

**C-ID SOCI 110:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

**GE D; (d)**

- **SOC 2100 - Elementary Statistics**

---

(3)

Prerequisite: Recommend basic college mathematics course. Introduction to social statistics, covering univariate descriptive statistics, level of measurement, hypothesis testing for mean differences, using Excel and SPSS for data management and analysis, tables and charts. Some course sections may be offered as online or hybrid format.

**C-ID SOCI 125:**

*The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.*

- **SOC 2630 - Asian-American Experience**

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**(also listed as AAAS 2630)**

(3)

Comparative experiences of Chinese, Japanese, Korean, Filipino, Pacific Islander, Southeast Asian refugee and other Asian groups in the United States. Immigration, adaptation, discrimination, identity, alienation, stratification and other contemporary issues. Some sections may be offered in online or hybrid format.

**GE D; (re)**

- **SOC 3000 - Cultural Emotions**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and one course each from Blocks C and D. Cultural diversity of emotions in context of racial/ethnic cultures, socialization, relationships and social movements worldwide. Social structural causes of racial/ethnic conflict and harmony as analyzed through emotional feeling and expression.

**GE UD D; (re)**

- **SOC 3100 - Intermediate Statistics**

---

(3)

Prerequisite: SOC 2100. Intermediate level social statistics, covering causal hypothesis, hypothesis testing, and bivariate associational statistics such as cross-table analysis, gamma, pearson correlation, and Analysis of Variance(ANOVA). Some course sections may be offered as online or hybrid format.

- **SOC 3220 - Socialization: Childhood and Adolescence**

---

(3)

Social-psychological approaches to socialization, from early childhood to adolescence. Emphasis on basic issues of social control and change. Topics are correlated with the California standards for the Multiple Subject Credential.

- **SOC 3230 - Adult Life in a Diverse World**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and one course each from Blocks C and D. Social psychology of identity and maturity across the adult life-death span. How LGBT, gender, class, race/ethnicity and age intersect emotional, intellectual, familial, and work experiences in diverse global cultures.

**GE UD D; (d); (cl)**

- **SOC 3300 - Social Issues in the Urban Setting**

---

(3)

Completion of Block A and B4 and one course each from Blocks B, C, and D. Social issues in urban setting; technological and economic changes; ethnic, cultural and class diversity; cross-cultural comparisons; population and environmental concerns; and social planning.

**GE UD D**

- **SOC 3310 - The Dynamics of Poverty**

---

(3)

Service Learning Course Some sections to be offered online with required community service. Extent and characteristics of poverty in the United States. Analysis of the social construction of poverty, including theoretical background and myths. Socio-structural responses, change models, and community action are discussed. This course requires service learning. Student placements arranged through EPIC with community agencies are part of the course requirements.

- **SOC 3410 - Sociology of Gender**

---

(3)

Completion of Block A and B4 and one course each from Blocks B, C, and D. Gender issues in society in light of sociological theories and research; focus on intersectionality with race/ethnicity, class, and sexuality.

**GE UD D; (d)**

- **SOC 3480 - Sociology of Race/Ethnicity, Class, and Gender**

---

(3)

Completion of Block A and B4, and one course each from Blocks B, C, and D. Sociological examination of race/ethnicity, social class, and sex/gender as bases of inequality and the processes by which inequalities are maintained or reproduced; emphasis on race/ethnicity and intersectionality of factors. Some course sections to be offered in online or hybrid format.

**GE UD D; (re); (cl)**

- **SOC 3830 - Violence and Society**

---

(3)

Completion of Blocks A and B4, an additional course from Block B, and one course each from Blocks C and D. Conceptualization and explanation of violence in human societies. Of particular concern are the social conditions associated with violence and its various forms - such as torture, robbery, terrorism, and rape.

**GE UD D**

- **SOC 3900 - Quantitative Research and Writing**

---

(3)

Prerequisite: SOC 2100. Application of scientific method to quantitative sociological data; research design, data collection, elementary analysis procedures; survey and experimental designs, measurement, scale, and index construction; prediction models; and writing quantitative papers.

**(wi)**

- **SOC 3910 - Qualitative Research and Writing**

---

(3)

Exploration of qualitative research epistemologies, research questions, and design; methods of data generation, analysis, and interpretation; issues of ethics, representation and qualitative sociological writing. (wi)

- **SOC 3980 - Cooperative Education**

**(see UNIV 3980)**

---

(1-3)

Cooperative Education

- **SOC 4050 - Sociology Internships and Service Learning**

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(3)

Students link sociological concepts, empirical studies, public and applied sociology, and field research with internships and service learning in organizations outside CSULA, writing papers on service projects and sociological research. Service learning required. Lecture 1 hour, field work 4 hours. May be repeated once for credit. Graded CR/NC.

- **SOC 4120 - Sociological Theory**

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(3)

Critical examination of significant sociological analytic perspectives in classical and contemporary sociological theory, with special emphasis in the development of Western social thought.

- **SOC 4121 - Special Topics in Sociological Theory**

---

(3)

Prerequisite: SOC 4120. Critical examination of selected contemporary theoretical topics with a focus on global, critical, engaged, cultural, feminist and post-colonial perspectives on social justice. Some course sections may include service learning. May be repeated once for credit.

- **SOC 4150 - Political Sociology**

---

(3)

Social factors underlying democracy and totalitarianism, social movements and revolutions, conflict and conflict resolution, voting behavior, and political socialization.

- **SOC 4160 - Feminist Theories and Contemporary Society**

---

**(also listed as WGSS 4160)**

(3)

Examination of the various feminist theories, all of which focus on some aspect of gender inequality. Implications of each theory and its applications to contemporary society are also discussed. Some course sections may be offered in online or hybrid format.

- **SOC 4180 - Crowd Behavior and Social Movements**

---

(3)

Analysis of crowd types, formation, and dynamics, including mobs, riots, panics, mass hysteria, rumors, fads, and fashion. Development, tactics, ideologies, and effects of social movements, cults, and rebellions.

- **SOC 4200 - Group Processes**

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(3)

Inequality, power, justice, status, authority, conformity, and conflict in small groups; emphasis on understanding theory development; use of experimental methods in the process of developing theories.

- **SOC 4210 - Social Sources of Human Sexuality**

---

(3)

Effects of social environment on emergence, justification, and maintenance of sexual attitudes and behavior; social factors influencing sexual behavior; changing sociosexual mores and behavioral patterns, and emerging sexual life styles.

- **SOC 4220 - Social Psychology**

---

(3)

Inquiry into social-psychological dimensions of group behavior, emphasizing interactive processes involved in communication, group behavior, perception, attitude formation, motivation, socialization, and evolution of self-concept.

- **SOC 4230 - Sociology of Globalization and Resistance**

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(3)

Sociological analysis of globalization as a contested process; emergence of global societies, political structures, and movements; social forces advancing global neoliberalism; resistance by workers', indigenous, women's, and environmental transnational movements.

- **SOC 4250 - Medical Sociology**

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(3)

Role of the hospital and socialization process on professional development of personnel in the healing professions; social epidemiology of physical and mental disorders.

- **SOC 4260 - Deviant Behavior**

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(3)

Basic theoretical orientations to social and personal disorganization resulting from role conflict, social conflict, normlessness, or alienation; individual and social deviance related to group processes and structures.

- **SOC 4270 - Society and Mental Illness**

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(3)

Lay and professional ideas about mental illness in historical and cross-cultural perspective; organizational treatment of the mentally ill; identity, stigma, and adaptations.

- **SOC 4280 - Self and Identity**

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(3)

The development and maintenance of the sense of self or identity among children and adults, particularly emphasizing how understanding theories of the self contributes to community service. Service learning required.

- **SOC 4300 - Urban Sociology**

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(3)

Urban community and urbanization as contemporary social process; consideration of urban areas, institutions, values, and problems; social and demographic characteristics, urban and suburban change and planning.

- **SOC 4330 - Bioethics and Sociology**

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(3)

Sociological analysis of ethical and legal issues concerning health, including dilemmas in health care delivery, reproduction, the beginning and end of life, institutional ethics committees, genetic testing, and new medical technologies.

- **SOC 4350 - Asian Societies**

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(3)

Comparative analysis and exploration of transformations in Asian societies, through historical and contemporary examination of institutions, education, development, urbanization, and deviance/crime.

- **SOC 4380 - Sociology of Sport**

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(3)

Analysis of sport as a social institution and its interrelationship with other, dominant American social institutions and the process of globalization. Examining social diversity, stratification, and social construction in sports.

- **SOC 4390 - Aging and Family Life**

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(3)

An overview of theory and research on family relations in adulthood and later life from a sociological perspective; examines how diversity (race/ethnicity, gender, class, and sexual orientation) affects older families.

- **SOC 4400 - Partnership, Marriage, and Families**

---

(3)

Family as a diverse social institution (same-sex couples, adoption, blended families, interethnic/interracial families, single-parent families, cohabitants, and kinship families). Relationship styles between intimates, parenting styles, grandparent roles, and sibling relationships.

- **SOC 4410 - Researching Gender in Social Institutions**

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(3)

Advanced sociological analysis of sex role differences; conducting research on differential treatment in social institutions; application of theoretical perspectives on gender.

- **SOC 4420 - Social Change**

---

(3)

Classical and contemporary theories of sources and consequences of social change; revolutions and alternative routes to modern world; issues in historical sociology; change and social contexts of creative achievements in arts and sciences.

- **SOC 4430 - Social Policy, Inequity and Non-Traditional Families**

---

(3)

Examine inequitable impact of laws, government, and employer policies on non-traditional families (e.g. single-parents, cohabitators, step- and same-sex parents, offspring of sperm donors, surrogate mothers, foster children) in cross-cultural context.

- **SOC 4440 - Sociology of Popular Culture**

---

(3)

Art, film, literature, music, and television are examined in terms of social roles, social processes, context, and the construction of meaning. Popular culture is studied as reflecting, reinforcing, or challenging norms.

- **SOC 4450 - Sociology of Religion**

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(3)

Social bases of religion, religious institutions, and their modern organizational life; comparative analysis and theories of religious behavior; religious institutions, their representatives, religious conflict, and public law.

- **SOC 4460 - Sociology of Business Organizations**

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(3)

The sociological understanding of control in different technical, structural, and commercial settings. Corporate culture, work subcultures, role constructions, and network processes are emphasized. Case studies are used.

- **SOC 4470 - Work and the Workplace**

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(3)

Analysis of the social world of work: occupational trends and mobility, education and skills, meaningful work, alienation and stress, inequality and discrimination, globalization; study of selected occupations, professions, and workplaces.

- **SOC 4480 - Social Class and Inequality**

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(3)

Examination of sociological theory and research bearing on social stratification; social differentiation: class position, class interests, correlates of social class; trends in occupational mobility; comparison of stratification systems.

- **SOC 4490 - Professionals in Society**

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(3)

Lawyers, doctors, and other professionals and their relationships with clients, managers, and unions; professional ethics, white-collar crime, and whistle blowing; stratification by class, race, and gender; technology and professional control.

- **SOC 4500 - Sociology of Aging**

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(3)

Aging as a social process; emphasis on sociological theories of aging and social problems of the aged; nature of aging process, work, retirement, family relationships, housing, income maintenance; societal response to aged.

- **SOC 4520 - Life Span Transitions: The Retirement Years**

---

(3)

Critical evaluation of issues involved in planning for retirement; changing place of work and retirement in value system; anticipatory behavior, patterns and modes of adjustment, maladjustment; proposals and issues.



- **SOC 4530 - Social Aspects of Death and Bereavement**

---

(3)

Concepts and theories of dying; meaning of death and its implications for dying persons, survivors, and professionals who attend them.

- **SOC 4540 - Selected Topics in Sociology**

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(1-4)

Current topics of special interest in sociology, as announced in Schedule of Classes. May be repeated for credit.

- **SOC 4550 - Older Adults' Life Stories**

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(3)

Examination of sociological theories of aging through service to older adults in the community. May use interviewing techniques (such as reminiscence) or other methods to record life stories. Service learning required.

- **SOC 4560 - Global Aging**

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(3)

Examination of population aging as a global phenomenon; welfare policies of developed and developing nations; repercussions of policies for the health and well being of the elderly and their families.

- **SOC 4570 - Women and Aging**

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(3)

Examination of challenges and rewards faced by middle-aged and older women including issues of work and retirement, family roles and transitions, health, economic status, psychological well-being, and living arrangements.

- **SOC 4600 - Race and Ethnic Relations**

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(3)

Structure and change of minorities in society; theories and research: historical, contemporary, and comparative; processes of adjustment: patterns of immigration, prejudice, discrimination, assimilation, pluralism, conflict, and social movements.

- **SOC 4790 - Drug Use and Public Policy**

---

(3)

Theoretical analysis, historical trends, and current use of recreational psychoactive drugs. Crime and economics of the drug trade. Macro-social preventions, legal responses, and alternative solutions to drug use problems.

- **SOC 4800 - Criminology**

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(3)

Criminal law, crime, and deviance. Social and psychological factors in criminal behavior, criminal law, and criminal

justice; prevention and control; trends in theory and correctional procedures.

- **SOC 4810 - Sociology of Policing**

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(3)

Social role of the police; historical, political, and social contexts of policing. Selected issues include police violence, police cultures, community policing, international policing, and cross-cultural comparisons of police behavior.

- **SOC 4820 - Sociology of Genocide**

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(3)

Sociological analysis of ethnically based mass killings and related phenomena; theories of genocide; major cases of genocide; participation in genocide; responses to genocide.

- **SOC 4830 - Sociology of Human Rights**

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(3)

Social, historical, political, legal, and cultural developments in the Sociology of Human Rights field; the role of moral boundaries in governance, politics, and the law in the exercise of power.

- **SOC 4850 - Domestic Violence**

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(3)

Sociological aspects of violence in families (e.g., violence against children, intimate partners, siblings, and the elderly); ethnic, social, cultural, historical, economic, and political factors that affect individual behavior.

- **SOC 4870 - Environmental Policy, Law, and Society**

---

(3)

Sociological aspects of environmental policy and law; relationship between societies and environmental problems regarding air and water quality, endangered species, toxic chemicals, energy, and natural resources; policy tools and analysis.

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|--|--|--|---|
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Semester Catalog 2017-2018 ▼

## Course Descriptions

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**Course Filter**

Filter this list of courses using course prefix, course code, keywords or any combination.

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Find whole word or phrase only.

### Sociology (Undergraduate)

*SOC 2010 normally is prerequisite to all upper division courses in sociology and may be waived only with instructor consent.*

*All 4000-level courses may be applied toward master's degree requirements subject to limits established by the department and approval of the graduate adviser.*

- **SOC 4880 - Sociology of Law**

(3)

Sociological perspectives on the relationship between law, culture, politics, the economy, and community; creation of law and its impact on class, race, and gender relationships; impact of globalization on law.

- **SOC 4930 - Sociology Honors Thesis**

(3)

Prerequisites: Senior class standing, minimum of 3.5 grade point average, and completion of specific courses required for the major (SOC 2010, SOC 3900 or SOC 3910, SOC 412, at least five upper division courses in the sociology major); instructor consent. Students develop an appropriate research question or hypothesis and conduct an independent project under the supervision of a faculty member in the sociology department and write a senior honors thesis.

- **SOC 4950 - Senior Capstone Seminar**

(3)

Prerequisite: Senior Sociology standing. Students will critically reflect upon, integrate, and apply the concepts learned in previous sociology courses. Involves in-class discussion of the discipline, completion of individual papers, and individual

oral presentations.

- **SOC 4960 - Law and Society Honors Thesis**

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(3)

Prerequisites: Senior standing and admission to Law and Society Option Honors Program. Independent sociological research in law and society; regular consultations with faculty research adviser and written thesis required. Graded CR/NC. May be repeated once for credit.

- **SOC 4980 - Cooperative Education**

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(see UNIV 4980)

(1-3)

Cooperative Education

- **SOC 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisites: Senior standing, 2.75 overall grade point average, consent of a faculty sponsor, approval of proposed project prior to registration, and ability to assume responsibility for independent research and analysis. Regular discussion of progress with sponsor before presentation of final written report. May be repeated for credit.

- **SOC 5010 - Qualitative Research Methods in Sociology**

---

(3)

Prerequisite: SOC 3900 or SOC 3910 and admission to the MA Program or consent of instructor. Qualitative social research techniques: field research, problems of participant observation and interviewing, document and media analysis, typology construction, coding, interpreting and reporting qualitative data. Written, oral and visual presentation.

*Repeatability: To satisfy the SOC 5030 and SOC 5991 prerequisite requirement of a B or better in this course, students may repeat SOC 5010 if they fail to get a B or better. Students may only repeat this course one time. The repeated course will not increase the unit count toward graduation, nor will the repeated course grade replace the earlier grade in GPA calculations.*

- **SOC 5011 - Quantitative Research Methods in Sociology**

---

(3)

Prerequisite: SOC 3900 and admission to the MA Program or consent of instructor. Advanced research techniques for generating quantitative data in sociology, including hypothesis construction, measurement and causal validity, sampling, survey methods, experiments, comparative historical analysis and scaling.

*Repeatability: To satisfy the 5012 prerequisite requirement of a B or better in this course, students may repeat SOC 5011 if they fail to get a B or better. Students may only repeat this course one time. The repeated course will not increase the unit count toward graduation, nor will the repeated course grade replace the earlier grade in GPA calculations.*

- **SOC 5012 - Advanced Statistics**

---

(3)

Prerequisites: SOC 2100, SOC 3100, SOC 5011 must have been completed with a grade of B or better and admission to the MA Program or consent of instructor. Specialized treatment of probability, prediction and correlation, analysis of variance and covariance, OLS regression analysis and regression models for limited dependent variables.

*Repeatability: To satisfy the SOC 5030 and SOC 5991 prerequisite requirements of a grade of B or better in this course, students may repeat SOC 5012 if they fail to earn the required grade of B or better. Students may only repeat this course one time. The repeated course will not increase the unit-count toward graduation, nor will the repeated course grade replace the earlier grade in GPA calculations.*

### **Sociology (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser.*

*Classified graduate standing is required for admission for all 5000-level courses.*

- **SOC 5000 - Introduction to Graduate Studies, the Discipline, and the Profession**

---

(3)

Prerequisite: Admission to MA program or consent of instructor. Must be completed with a grade of B or better before taking SOC 5020 and SOC 5021. Survey of the institutional history of sociology; current state of the field; careers and professional associations; competing conceptions of sociology.

*Repeatability: To satisfy SOC 5020 and 5021 prerequisite requirements of a grade of B or better in this course, students who fail to earn the required grade of B or better may repeat SOC 5000 only once. The repeated course will not increase the unit-count toward graduation and the repeated course grade will not replace the earlier grade earned in GPA calculations.*

- **SOC 5020 - Seminar: Classical Sociological Theory**

---

(3)

Prerequisite: Completion of SOC 5000 with a grade of B or better. Development of systematic sociological theories, methods and forms of analysis, with a focus on Western traditions; continuity and critique of major contributions to theories of society and social processes.

- **SOC 5021 - Seminar: Contemporary Sociological Theory**

---

(3)

Prerequisite: Completion of SOC 5000 with a grade of B or above; SOC 5020. Exploration and critique of problems, methods, and theories characteristic of contemporary sociological inquiry; their relationship and contribution to advancement of sociological theory and application to selected social problems.

- **SOC 5030 - Seminar: MA Capstone Transition**

---

(3)

Prerequisites: Students must have a Program GPA of 3.0 or better and must have completed at least 60% of the program. SOC 5010, SOC 5012, and SOC 5021 must have been completed with a grade of B- or better. Required for Comps and Portfolio, but optional for Thesis. Helps students integrate and apply earlier coursework while devising individualized strategies to build expertise and to prepare for their culminating experience as well as furthering professional writing and presentation skills.

- **SOC 5210 - Seminar: Sociology of Knowledge**

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(3)

Relationships of scientific, artistic, legal, and intellectual activities to social structure, institutions, and historical change.

- **SOC 5220 - Seminar: Social Psychology**

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(3)

Prerequisite: Recommended 4220 or equivalent. Analysis and critique of current approaches and investigations of the social processes that bind individuals and groups.

- **SOC 5260 - Seminar: Sociology of Deviant Behavior**

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(3)

Prerequisites: SOC 4260; Instructor consent. Analysis of major theoretical approaches and empirical studies in deviance; selected topics and current issues in study of social deviance.

- **SOC 5300 - Seminar: Sociology of Urban Life**

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(3)

Examination of major approaches to the study of cities and different urban problems afflicting cities globally; consideration of gender, race, culture, immigration and economic and political forces affecting urban life.

- **SOC 5340 - Seminar: Population**

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(3)

Problems of population growth; social and psychological factors in population dynamics; population planning and policy.

- **SOC 5400 - Seminar: Partnership, Marriage, and Families**

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(3)

Sociology of partnership, marriage, and diverse family structures. Emphasizes research on grandparent-parent-caregiver-child relationships, LGBTQ families, family instability, and successful family life in social context.

- **SOC 5410 - Seminar: Gender and Labor**

---

(3)

Advanced study of the sources and consequences of gender differentiation and inequality. Particular attention paid to occupations, earnings, household work, interactions between gender and race, and feminist perspectives.

- **SOC 5440 - Seminar: Organizations, Work, and Social Change**

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(3)

Organizations and work in social context, including professions; power and class inequality; business ethics; race and gender; multinational corporations; creativity, privacy, stress; conformity and whistleblowers; bureaucracy and alternatives; social change.

- **SOC 5600 - Seminar: Race, Ethnicity, Power, and Justice**

---

(3)

Examination of theories and research on race, ethnicity, systemic and institutional racism and inequality, and multiracial and antiracist movements for social justice.

- **SOC 5800 - Seminar: Criminology**

---

(3)

Prerequisite: SOC 4800. Advanced study of criminal behavior, social deviance, and social structure; comparative studies of contemporary criminality, criminal justice, and criminal codes; legal, medical, and psychiatric interpretation of criminal behavior.

- **SOC 5890 - Seminar: Secondary Data Analysis**

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(3)

Prerequisites: SOC 5011 and 5012; Instructor consent. Instruction on how to use an extant data set in the social sciences for formulating research questions and conducting secondary data analysis in producing a quantitative thesis or journal publication.

- **SOC 5930 - Teaching Sociology at the College Level**

---

(3)

Prerequisite: G3 Status; GPA of 3.0 or above. May be taken alone or concurrently with SOC 594. Higher educational pedagogy training in sociology instruction. Includes: lecture; group discussion; multi-modal teaching and learning styles; creating syllabi, lessons, class materials, and exams; grading practices; course and student outcomes assessment. ABC/NC.

- **SOC 5940 - Teaching Sociology Internship**

---

(2)

Prerequisite: G3 status; GPA of 3.0 or above. May be taken alone or concurrently with SOC 593. This is a classroom-based internship. Mentor professor determines internship role (running discussion groups, guest lecturing). Non-traditional grading system. CR/NC.

- **SOC 5941 - Sociology Intership**

---

(1)

Prerequisite: CR in SOC 5940; GPA of 3.0 or above. This classroom-based internship with a mentor professor allows transcript verification of added career preparation for experienced teaching interns. Does not count toward MA Program

degree units. (May be repeated.) Non-traditional grading system, CR/NC.

- **SOC 5950 - Special Topics in Sociology**

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(3)

Special topics in sociology including critical areas of social inquiry and special problems of sociology. Content varies; see Schedule of Classes for specific topic. May be repeated once for credit.

- **SOC 5960 - Comprehensive Examination**

---

(0)

Pre/Co-requisite: SOC 5030 and completion of all coursework in MA Program with a GPA of 3.0 or better. Prerequisites: Advancement to Candidacy; SOC 5010, SOC 5012, SOC 5020 and SOC 5021 must have been completed with grades of B- or better. A written exam in three areas of concentration: theory, methods, and one other field selected by the candidate and approved by the adviser. Graded as CR/NC. Comprehensive Examination may be repeated once to a maximum of two attempts to pass.

NOTE: See the Comprehensive Examination in the requirements for the (Master's) Degree section of this chapter.

- **SOC 5970 - Graduate Research**

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(1-2)

Prerequisite: Instructor consent; Proposed study approval. Proposed study must be approved prior to registration. Directed empirical research on a problem in sociology from conception through design; data gathering, analysis, and final written report. May be repeated for credit. Graded CR/NC.

- **SOC 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent; Proposed study approval. Proposed study must be approved prior to registration. Directed reading and critical analysis of a problem in sociology; written reports and conferences. May be repeated for credit.

- **SOC 5990 - Thesis**

---

(4)

Prerequisites: B or better in SOC 5008, SOC 510, SOC 5121, SOC 5122; G3 status; and 3.0 or better. Thesis proposal draft approved by the official thesis committee, and compliance with all College and Departmental thesis process policies. Independent research resulting in a thesis which will be presented in a formal public defense. Must be repeated to a maximum of 6 units. Two units for each of three, quarters strongly recommended. Graded CR/NC.

- **SOC 5991 - Portfolio**

---

(0)

Pre/Co-requisite: SOC 5030 and completion of all coursework in MA Program with a GPA of 3.0 or better. Prerequisites: Advancement to Candidacy; SOC 5010, SOC 5012, and SOC 5021 must have been completed with a grade of B or better. Approved portfolio summary is required for enrollment. Self-directed set of pre-professional experiences in four



designated areas demonstrating the achievement of MA Program SLOs. Portfolio must comply with department policy and requires pre-professional activities beyond the classroom.

- **SOC 9000 - Graduate Studies**

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(0)

Prerequisite: SOC 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **Spanish (Undergraduate)**

*All Upper Division courses are conducted in Spanish.*

- **SPAN 1001 - Elementary Spanish for Non-Heritage Speakers 1**

---

(4)

Course limited to non-heritage speakers. Must be taken in sequence. Placement test option. Also see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of Spanish through listening, speaking, reading, and writing practice. Introduction to the culture of the Hispanophone people. (Some sections may be offered online.)

**GE C2**

- **SPAN 1002 - Elementary Spanish for Non-Heritage Speakers 2**

---

(4)

Prerequisite: Course limited to non-heritage speakers. SPAN 1001 or placement test. Also see departmental "Limitation on Language Credit" policy in this catalog. Methodical presentation of the fundamental structures of Spanish through listening, speaking, reading, and writing practice. Introduction to the culture, of the Hispanophone people.

**GE C2**

- **SPAN 1050 - Elementary Spanish for Heritage Speakers**

---

(4)

Prerequisite: SPAN 1002 or placement test; course limited to heritage speakers. Must be taken in sequence. Methodical development of intermediate communicative skills in Spanish with an emphasis on writing skills; grammar review; vocabulary building; and study of the culture of the Hispanophone people.

**GE C2**

- **SPAN 1100 - Spanish Conversation for Professions**

---

(3)

Prerequisite: SPAN 1001. Course in Spanish conversation which focuses, according to student need, upon vocabulary used in medicine, law enforcement, or the social sciences. Basic grammar presented inductively. May be repeated for credit. May not be taken for credit by Spanish majors. Graded CR/NC.

- **SPAN 2001 - Intermediate Spanish for Non-Heritage Speakers 1**

---

(4)

Prerequisite: SPAN 1002 or placement test; course limited to non-heritage speakers. Must be taken in sequence. Methodical development of intermediate communicative skills in Spanish; grammar review; vocabulary building; writing skills; study of the culture of the Hispanophone people.

**CI-D SPAN 200:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE C2**

- **SPAN 2002 - Intermediate Spanish for Non-Heritage Speakers 2**

---

(4)

Prerequisite: SPAN 2001 or placement test; course limited to non-heritage speakers. Must be taken in sequence. Methodical development of intermediate communicative skills in Spanish; grammar review; vocabulary building; writing skills; study of the culture of the Hispanophone people.

**CI-D SPAN 210:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE C2**

- **SPAN 2050 - Intermediate Spanish for Heritage Speakers**

---

(4)

Prerequisite: SPAN 1050 or placement test; course limited to heritage speakers. Must be taken in sequence. Methodical development of intermediate communicative skills in Spanish with an emphasis on writing skills; grammar review; vocabulary building; and study of the culture of the Hispanophone people.

**CI-D SPAN 220/SPAN 230:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

**GE C2**

- **SPAN 2420 - Hispanic Societies through Literature**

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(3)

Study of the people, events, conflicts, and encounters that shaped Hispanic societies through literary works in English translation. No knowledge of Spanish required.

**GE C2; (re)**

- **SPAN 3001 - Advanced Composition and Grammar**

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(3)

Prerequisites: SPAN 2001 or 2050. Corequisite for Spanish majors only: ML 1010. Review of orthography and grammatical structures needed for linguistic accuracy in written communication. Practice in writing essays, including, but not limited to, description, narration, exposition, and argumentation. Introduction to MLA style.

- **SPAN 3002 - Applied Spanish Grammar and Composition**

---

(1)

Prerequisite: SPAN 3001. Practice and integration of Spanish in the community through service learning/community engagement. Activity 3 hours. May be repeated up to 3 units.

- **SPAN 3020 - Spanish in the United States**

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(3)

Prerequisite: SPAN 3050. Description of main varieties of Spanish in the US and their history. Communicative practices of bilingual Spanish/English speakers in the United States. The phenomenon of "Spanglish". Community attitudes toward language identity.

- **SPAN 3050 - Introduction to Spanish Linguistics**

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(3)

Prerequisite: SPAN 3001. Basic concepts of linguistics as applied to Spanish language; introduction to historical development of Spanish and regional dialects including Spanish spoken in the U.S.

- **SPAN 3100 - Spanish History and Culture**

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(3)

Prerequisite: SPAN 2001 or 2051. Synthesis of historical and cultural characteristics of Spain.

- **SPAN 3150 - Spanish-American Civilization**

---

(3)

Prerequisite: SPAN 2002. Synthesis of cultural characteristics of Spanish America.

- **SPAN 3200 - Spanish Usage In The Americas: Applied Approaches**

---

(3)

Prerequisite: SPAN 3050 Introduction to Spanish Linguistics. Provide a course narrative not to exceed a limit of 30 words. The 30-word limit does not include prerequisites/co-requisites. Analysis of the Spanish sound system and different varieties of Spanish. Hispanophone groups in the US, the Americas and beyond. Hybrid course.

- **SPAN 3400 - Hispanic Film**

---

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. History and development of film in the Spanish-speaking world; study of cultural, historical, and language diversity; film adaptations of literary works, and original films. Course taught in English.

#### **UD C**

- **SPAN 3800 - Commercial Spanish**

---

(3)

Prerequisite: SPAN 3001. Intensive study of Spanish used in business Spanish; theory and practice of fundamentals of commercial correspondence and negotiation in Spanish; translation of English commercial documents into Spanish; introduction to the socio-economic panorama of Spanish-speaking countries. Course will be taught online. Computer skills required.

- **SPAN 3950 - Spanish in Community Service**

---

(1-3)

Prerequisites: SPAN 3001. Participation in work of a community agency or program utilizing communication skills in Spanish. May be repeated once to maximum of 6 units. Graded CR/NC.

- **SPAN 3970 - Field Work in Spanish**

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(1-3)

Prerequisites: SPAN 3001. Field work and internships in occupations in which communication skills in Spanish can be used and perfected. Minimum of 4 hours per week per credit hour. May be repeated to maximum of 4 units. Graded CR/NC.

- **SPAN 4000 - Spanish Morphology and Syntax**

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(3)

Prerequisite: SPAN 3050 Introduction to Spanish Linguistics. Provide a course narrative not to exceed a limit of 30 words. The 30-word limit does not include prerequisites/co-requisites. Analysis of morphological and syntactic structures in Spanish. Hybrid course.

- **SPAN 4010 - Introduction to Literary Analysis**

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(3)

Prerequisites: SPAN 3001 or instructor approval. Introduction to major forms and aesthetic concepts of, and critical approaches to, Hispanic literature.

#### **wi**

- **SPAN 4080 - Spanish Literature I**

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(3)

Prerequisite: SPAN 4010. Introduction to Spanish literature from medieval period through the Golden Age.

- SPAN 4100 - Spanish Literature II

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(3)

Prerequisite: SPAN 4010. Introduction to Spanish literature from 1700 to present.

- SPAN 4110 - Spanish-American Literature I

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(3)

Prerequisite: SPAN 4010. Spanish-American literature from the Conquest to 1888.

- SPAN 4130 - Spanish-American Literature II

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(3)

Prerequisite: SPAN 4010. Spanish-American literature from 1888 to present.

- SPAN 4140 - Don Quixote de la Mancha

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(3)

Prerequisite: SPAN 4080. Reading and analysis of Don Quixote de la Mancha.

- SPAN 4170 - Spanish-American Short Story

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(3)

Prerequisite: SPAN 4130. Spanish-American short story from the Tradiciones of Ricardo Palma to the present.

- SPAN 4181 - Golden Age Culture and Literature

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(3)

Prerequisites: SPAN 4080. Overview of the cultural context of the Spanish Golden Age, and analysis of prominent literary works of the period. All discussions and course assignments are conducted in Spanish.

- SPAN 4210 - Mexican Literature of Twentieth Century

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(3)

Prerequisite: SPAN 4130. Intensive study of significant works and movements of Mexican literature from 1900 to present.

- SPAN 4260 - Peninsular Literature: The Enlightenment to the Generation of 98

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(3)

Prerequisite: SPAN 4100. Intensive study of representative works of Neoclassicism, Romanticism, Realism, Naturalism, and the Generation of 98.

- SPAN 4310 - Spanish-American Testimony

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(3)

Prerequisites: SPAN 4130.

Study of Spanish-American testimonial narratives as a specific discursive and cultural genre. Theory, of "Testimony" and major testimonial works of Spanish American history.

- **SPAN 4441 - Masterworks of Spanish American Literature**

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(3)

Prerequisite(s): SPAN 4010 In depth study of selected works of Spanish American literature from the mid-19th century to present.

- **SPAN 4450 - Journalism in Spanish**

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(3)

Prerequisites: SPAN 3001. This course focuses on developing Spanish writing skills, methods and techniques for all platforms of news media: print, radio, television and electronic media. Taught in Spanish.

- **SPAN 4540 - Special Topics in Spanish - Peninsular**

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(3)

Prerequisites: As needed for specific topic. Current topics of special interest in Spanish as announced in Schedule of Classes. May be repeated for credit to maximum of 6 units.

- **SPAN 4541 - Special Topics - Latin America**

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(3)

Prerequisites: As needed for specific topic. Current topics of special interest in Spanish as announced in Schedule of Classes. May be repeated for credit to maximum of 8 units.

- **SPAN 4590 - Hispanic Play Production**

**(Also listed as TA 4590)**

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(3)

Prerequisite: Completion of intermediate Spanish. Introduction to major forms of Spanish drama; mechanics and production of a major work of Hispanic theatre. May be repeated to a total of 6-8 units of which a maximum of 4 may apply to major.

- **SPAN 4600 - Editing a Bilingual (Spanish-English) Cultural Magazine**

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(3)

Prerequisite: Any 4000 level SPAN course or consent of faculty member teaching the course. Techniques of editing and producing an online literary and cultural magazine. Students must have a basic understanding of how to use computers and the Internet.

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## SPAN 4720 - Peninsular Literature: Vanguardismo to the Present

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(3)

Prerequisite: SPAN 4100. An exploration of Peninsular literature from the Spanish Avant-garde to the Present. Representative works will be studied.

- SPAN 4750 - Spanish American Theater

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(3)

Prerequisite: SPAN 4010 In depth study of selected works of Spanish American theater from 1492 to present.

- SPAN 4830 - Intellectuals and Ideas in Latin America

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(3)

Prerequisite: SPAN 4130. Exploration of the relationship between Latin American intellectuals and their societies through the study of literary texts, films and other cultural artifacts.

- SPAN 4850 - Southern Cone Fiction

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(3)

Prerequisite: SPAN 4130. Representative works of Chilean, Argentine and Uruguayan prose fiction.

- SPAN 4990 - Undergraduate Directed Study

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(3)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly, and final report submitted. May be repeated to a maximum of 8 units for credit.

### Spanish (Graduate)

*Classified graduate standing is required for admission to all 500 level courses.*

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: SPAN 4000, 4001, 4010, 4030, 4080, 4100, 4110, 4130, 4400, 4540, 4590*

- SPAN 5000 - Academic Writing in Spanish

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(3)

Prerequisite: SPAN 4010. Theory and practice of advanced scholarly writing in Spanish. Introduction to discourse analysis and the theory of argumentation; contrastive rhetoric and elements of style; research of electronic databases; and academic style sheets.

- SPAN 5010 - Development of Spanish Language

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(3)

Prerequisite: SPAN 3050. Scientific analysis of written and spoken Spanish from its inception through its current use in the Hispanic world.

- **SPAN 5040 - Medieval Literature**

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(3)

Prerequisites: SPAN 4080. Principal Spanish literary works dating from twelfth to sixteenth century; their significance in historical development of various genres; their influence on subsequent literary history.

- **SPAN 5070 - Literary Theory**

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(3)

Prerequisite: SPAN 4010. Study of contemporary literary theories, Hispanic critical thought and text interpretation.

- **SPAN 5100 - Spanish Sociolinguistics**

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(3)

Prerequisite: SPAN 3050. Principles of sociolinguistics and dialectology; sociolinguistic patterns in Hispanic languages; social and geographic language varieties including main features of Spanish in U.S.

- **SPAN 5400 - Seminar: Spanish Poetry from Romanticism to the Present**

---

(3)

Prerequisites: SPAN 4100. Comprehensive and intensive study of Spanish poetry from the Romantic period to present. The poets and their poetry will be studied in light of literary movements, influence, political and philosophical ideas.

- **SPAN 5450 - Seminar: Contemporary Spanish-American Poetry After Ruben Dario**

---

(3)

Prerequisites: SPAN 4130. Intensive study of Spanish American poets after Dario, including Mistral, Storni, Neruda, Vallejo, Guillen, Paz, Borges, and Cardenal. Literary Movements include Latin American posmodernismo, avant guard and post - avant guard.

- **SPAN 5750 - Seminar: Hispanic Literature**

---

(3)

Prerequisites: As needed for specific topic. Intensive study of significant works of selected period in Spanish or Spanish-American literature. May be repeated to a maximum of 8 units as subject matter changes.

- **SPAN 5830 - Seminar: Contemporary Hispanic Prose**

---

(3)

Prerequisites: As needed for specific topic. Recent Hispanic prose (novel, short story, essay); focus on Spanish or Spanish-American authors in alternate years. May be repeated to a maximum of 8 units for credit as subject matter changes.

- **SPAN 5960 - Comprehensive Examination**

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(0)

Prerequisite: See the Comprehensive Examination in the requirements for the Masters Degree section.

- **SPAN 5980 - Graduate Directed Study**

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(3)

Prerequisite: Instructor consent to act as sponsor. Independent study of advanced topics in field; regular conferences with sponsor. May be repeated to a maximum of 8 units for credit.

### **Special Education (Undergraduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 4030, 4070, 4890.*

- **EDSP 3010 - Individuals with Disabilities in Contemporary Society**

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(3)

Prerequisite: Completion of Blocks A and B4, one additional course from Block B, and at least one course each from Blocks C and D. Examination of the global status of people with disabilities. Exploration of the intersectionality among people with disability, personal socio-cultural factors, civil rights, social justice and their influence on equal participation in society. Participation in community engagement activities that explore the needs of citizens with disabilities. This course requires service learning.

**UD GE D, GE (cl), GE (d)**

- **EDSP 4000 - Foundations of Special Education**

---

(3)

Legal, historical, and practice-based foundations of special education. Classification systems, characteristics, and individualization of services for students with disabilities and/or gifts and talents. Implications of risk factors for health and development.

- **EDSP 4001 - Observations in Urban Classrooms**

---

(1)

Co-requisite: EDSP 4000. Observation and problem-solving of issues in urban classrooms, including: classroom management, ongoing assessment and legal/ethical practices of special education teachers. Requires 45 hours of observation in classroom settings.

- **EDSP 4010 - Cognitive, Linguistic and Literacy Processes in Individuals with Special Needs**

---

(3)

Theories and sequences of cognitive, linguistic, and literacy development Impact of disabilities and culture; informal techniques of assessment of communication skills in students with disabilities and English Learners.

- **EDSP 4020 - Assessment and Educational Planning for Students with Disabilities**

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(3)

Prerequisite or Co-requisite: EDSP 4001. Principles, procedures, interpretation, communication, and application of formal/informal assessment techniques for individuals with exceptional needs in diverse educational settings. Using assessment data to develop IEPs and select appropriate curriculum.

- **EDSP 4030 - Behavior Supports, Social Skills, and Classroom Management**

---

(3)

Introduction to principles and application of Positive Behavioral Support and intervention, facilitating appropriate behavior, creating healthy environments, promoting positive social interactions for students with special needs.

- **EDSP 4040 - Collaboration, Co-Teaching, and Consultation for Effective Education and Transition Planning**

---

(3)

Prerequisite or Corequisite: EDSP 4001. Principles and practices of collaboration, co-teaching, and consultation essential for effective individualized planning for education and life-long transition for students with mild to severe disabilities in diverse educational settings.

- **EDSP 4050 - Instruction to Support Students with Disabilities in Core English/Language Arts Curriculum**

---

(3)

Prerequisite/Co-requisite: EDSP 4020. Instruction in reading, writing, listening and speaking in English Language Arts across K-12 settings for students with disabilities. Emphasis on instructional methods, access and accommodations in standards-based assessment and curriculum.

- **EDSP 4061 - Early Fieldwork in Inclusive Teaching: Mild/Moderate Disabilities**

---

(4)

Prerequisites: EDSP 4001 and EDSP 4050. Early fieldwork in teaching students with and without disabilities in an inclusive classroom; unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4062 - Early Fieldwork in Inclusive Teaching: Moderate/Severe Disabilities**

---

(4)

Prerequisites: EDSP 4001 and EDSP 4050. Early fieldwork in teaching students with and without disabilities in an inclusive classroom; unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4063 - Early Fieldwork in Teaching: Physical and Health Impairments**

---

(4)

Prerequisites: EDSP 4001 and EDSP 4050. Early fieldwork in teaching students with physical, health, and multiple

disabilities under supervision and guidance of a master teacher and university supervisor. Unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4064 - Early Fieldwork in Teaching: Visual Impairments**

(4)

Prerequisites: EDSP 4650, EDSP 4660. Demonstration of competencies necessary to teach students with visual impairments, across the age ranges. Emphasis on conducting specialized assessments and instructional planning. Offered as a community-based, integrated field experience. Graded CR/NC.

- **EDSP 4065 - Student Teaching with Master Teacher in Early Intervention (Birth-3)**

(4)

Prerequisites: EDSP 5150, EDSP 5160, EDSP 4160, EDSP 5140. Demonstration of competencies necessary to teach infants and toddlers with special developmental needs and partner with their families in an assigned setting under the direction of a Master Teacher. Graded CR/NC.



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# University Catalog

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### Special Education (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 4030, 4070, 4890.*

- **EDSP 4066 - Student Teaching with a Master Teacher: Orientation and Mobility**
  - (4)
  - Prerequisites: C or better in EDSP 4751, Instructor consent. Assessment, planning and individualized instruction for diverse learners with visual impairments, including those with additional disabilities. Development/application of instructional materials and strategies for concept development, mobility skills, and spatial awareness.
- **EDSP 4071 - Final Directed Student Teaching with a Master Teacher: Mild/Moderate Disabilities**
  - (9)
  - Prerequisites: All courses for preliminary Education Specialist Instruction Credential in Mild/Moderate Disabilities and approval of division chairperson or designee. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Mild/Moderate Disabilities under supervision and guidance of Master Teacher and University Supervisor. May be repeated for credit. Graded CR/NC.
- **EDSP 4072 - Final Directed Student Teaching with a Master Teacher: Moderate/Severe Disabilities**
  - (9)
  - Prerequisites: Approval of division chairperson or designee. Demonstration of instructional competencies specified for

Education Specialist Instruction Credential in Moderate/Severe Disabilities under supervision and guidance of Master Teacher and University Supervisor. May be repeated for credit. Graded CR/NC.

- **EDSP 4073 - Final Directed Student Teaching with a Master Teacher: Physical and Health Impairments**

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(9)

Prerequisites: All courses for preliminary Education Specialist Instruction Credential in Physical and Health Impairments and approval of division chairperson or designee. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Physical and Health Impairments under supervision and guidance of Master Teacher and University Supervisor. May be repeated for credit. Graded CR/NC.

- **EDSP 4074 - Final Directed Student Teaching with a Master Teacher: Visual Impairments**

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(9)

Prerequisites: All courses for the Preliminary Education Specialist Credential in Visual Impairments and approval of division chairperson or designee. Demonstration of instructional competencies specified for the Education Specialist Credential in Visual Impairments under supervision and guidance of a master teacher and university supervisor. May be repeated once for credit. Graded CR/NC.

- **EDSP 4075 - Student Teaching with a Master Teacher in Preschool Special Education**

---

(6)

Prerequisites: EDSP 5150, EDSP 5160, EDSP 4160, EDSP 5140. Demonstration of competencies necessary to teach preschool-aged children with special needs and in an assigned setting under the direction of a Master Teacher. Graded CR/NC.

- **EDSP 4081 - Early Fieldwork in Approved Teaching Assignment: Mild/Moderate Disabilities**

---

(4)

Prerequisites: EDSP 4001 and EDSP 4050. Early fieldwork in teaching students with and without disabilities in approved candidate teaching assignment; unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4082 - Early Fieldwork in Approved Teaching Assignment: Moderate/Severe Disabilities**

---

(4)

Prerequisites: EDSP 4001 and EDSP 4050. Early fieldwork in teaching students with moderate to severe disabilities under supervision and guidance of university supervisor. Unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4083 - Early Fieldwork in Approved Teaching Assignment: Physical and Health Impairments**

---

(4)

Prerequisite: EDSP 4001 and EDSP 4050. Early Fieldwork in teaching students with physical, health, and multiple disabilities under supervision and guidance of university supervisor. Unit and lesson planning, instructional delivery, co-teaching, writing instruction, and classroom/behavior management. Graded CR/NC.

- **EDSP 4084 - Early Fieldwork in Approved Teaching Assignment: Visual Impairments**

---

(4)

Prerequisites: EDSP 4650, EDSP 4660. Demonstration of competencies necessary to teach students with visual impairments, across the age ranges. Emphasis on conducting specialized assessments and instructional planning. Offered as an integrated field experience. Graded CR/NC.

- **EDSP 4085 - Directed Teaching in Approved Teaching Assignment: Early Intervention (Birth-3)**

---

(4)

Prerequisites: EDSP 5150, EDSP 5160, EDSP 4160, EDSP 5140. Demonstration of competencies necessary to teach infants and toddlers with special developmental needs and partner with their families in an approved early intervention program as the teacher of record. Graded CR/NC.

- **EDSP 4090 - Problems in Special Education**

---

(1-3)

Prerequisite: Instructor consent. Investigation and study of unique problems in special education. Specific subject announced in Schedule of Classes. May be repeated for credit as subject matter changes.

- **EDSP 4091 - Final Directed Teaching in Approved Candidate Teaching Assignment: Mild/Moderate Disabilities**

---

(9)

Prerequisites: All courses for preliminary Education Specialist Instruction Credential in Mild/Moderate Disabilities and approval of division chairperson or designee. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Mild/Moderate Disabilities as teacher of record under supervision and guidance of University Supervisor. May be repeated for credit. Graded CR/NC.

- **EDSP 4092 - Final Directed Teaching in Approved Candidate Teaching Assignment: Moderate/Severe Disabilities**

---

(9)

Prerequisites: All courses for preliminary Education Specialist Instruction Credential in Moderate/Severe Disabilities and approval of division chairperson or designee. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Moderate/Severe Disabilities as teacher of record under supervision and guidance of University Supervisor. May be repeated for credit. Graded CR/NC.

- **EDSP 4093 - Final Directed Teaching in Approved Candidate Teaching Assignment: Physical and Health Impairments**

---

(9)

Prerequisites: All courses for preliminary Education Specialist Instruction Credential in Physical and Health Impairments

and approval of division chairperson or designee. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Physical and Health Impairments under supervision and guidance of University Supervisor. May be repeated for credit. Graded CR/NC.

- **EDSP 4094 - Final Directed Teaching in Approved Candidate Teaching Assignment: Visual Impairments**

---

(9)

Prerequisites: All courses for the Preliminary Education Specialist Credential in Visual Impairments and approval of division chairperson or designee. Demonstration of instructional competencies specified for the Education Specialist Credential in Visual Impairments as teacher of record under supervision and guidance of university supervisor. May be repeated once for credit. Graded CR/NC.

- **EDSP 4095 - Directed Teaching in Approved Candidate Teaching Assignment: Preschool Special Education**

---

(6)

Prerequisites: EDSP 5150, EDSP 5160, EDSP 4160, EDSP 5140. Demonstration of competencies necessary to teach preschool-aged children with special needs in an approved classroom setting as the teacher of record. Graded CR/NC.

- **EDSP 4160 - Working with Families of Young Children with Special Needs**

---

(3)

Prerequisites: EDSP 4000. Research, issues and practices related to family-professional partnerships benefiting young children with special needs, including cultural self-assessment, family systems, effective communication and collaboration, and the family-centered values of the field.

- **EDSP 4175 - Early Childhood Special Education Student Teaching Seminar**

---

(1)

Corequisite: One of the following: EDSP 4065, 4075, 4085, 4095 Discussion, problem-solving of issues during one semester of early childhood special education student teaching. Observation of peer videos; determination of needs for professional growth. Graded CR/NC

- **EDSP 4252 - Instructional Planning and Delivery for Students with Mild/Moderate Disabilities**

---

(3)

Prerequisite: EDSP 4020. Instructional planning and strategies, adaptation of general education curriculum materials, strategic learning, differentiation of instruction. Approaches to collaborative teaching for students with mild/moderate disabilities.

- **EDSP 4253 - Instruction, Assessment, and Curricular Supports in Mathematics, Science and Social Studies for Students with Mild/Moderate Disabilities**

---

(3)

Prerequisites/Co-requisites: EDEL 4170 and EDSP 4252. Strategy-based instruction, assessment, and curricular supports in K-12 mathematics, science and social studies courses for students with mild/moderate disabilities.

- **EDSP 4310 - Curriculum and Instructional Methods for Students with Moderate/Severe Disabilities**

---

(3)

Prerequisite or co-requisite EDSP 4020. Assessment and instructional strategies for students with moderate to severe disabilities; writing Individualized Educational Plans (IEP) and lesson plans that align with the Common Core State Standards; making instructional modifications and adaptations; co-teaching and consultation.

- **EDSP 4600 - Implications of Physical and Health Impairments**

---

(3)

Prerequisite: EDSP 4000. Impact of disability on psychological and sociological interactions and outcomes; family systems theory; implications of chronic medical conditions; lifespan development, career preparation/transition, and independent living.

- **EDSP 4620 - Understanding Physical, Health, and Multiple Disabilities**

---

(3)

Prerequisite: EDSP 4000 or equivalent. Understanding physical, health, and multiple disabilities, including neuromotor impairments, traumatic brain injury, degenerative diseases, orthopedic/musculoskeletal disorders, health impairments, major chromosomal anomalies/syndromes, and infectious diseases. Development, treatment, and implications.

- **EDSP 4630 - Augmentative and Alternative Communication in Special Education**

---

(3)

Prerequisite: EDSP 4000. Assessment, design, and implementation of augmentative and alternative communication technologies for persons with complex communication needs. Emphasis on functional communication and development of communicative competence.

- **EDSP 4640 - Assessment and Curricular Adaptations for Students with Physical, Health, and Multiple Disabilities**

---

(3)

Prerequisite: EDSP 4000. Assessment and adaptations for individuals with physical, health, and multiple disabilities. Accommodations and modifications of academic core curriculum, leisure/arts, and functional curriculum. Assistive technology for access and instructional support.

- **EDSP 4650 - Medical Aspects of Visual Impairments**

---

(2)

Prerequisite or corequisite: EDSP 4000 or instructor consent. Anatomy, physiology, and pathology of the eye; principles of optics, low vision devices; components of an eye exam and report; vision screening programs. (Lecture 3 hours).



- **EDSP 4650L - Functional Low Vision Assessment**

---

(1)

Prerequisite or Corequisite: EDSP 4650. Principles of functional low vision assessment including techniques for administering assessments to infants/toddlers, school-age children, and children with multiple disabilities. Practical applications and implications for educational programming.

- **EDSP 4660 - Literary Braille Code for Individuals with Visual Impairments**

---

(3)

Prerequisite or Co-requisite: EDSP 4000 or instructor consent. Fundamentals of specialized communication skills for individuals with visual impairments and blindness, including uncontracted and contracted literary braille, slate & stylus, computer braille translation software, and braille reading.

- **EDSP 4690 - Psychological, Sociological, and Vocational Implications of Visual Impairment and Blindness**

---

(2)

Psychosocial implications of visual impairment and blindness through the life span including family systems, cultural diversity, adjustment, and guidance. Vocational/transition issues, planning in the blindness system and development of professional advocacy and collaboration skills.

- **EDSP 4706 - Observation in Orientation and Mobility**

---

(1)

Prerequisite: Admission to Orientation and Mobility Program. Observations in and critical reflections of education and rehabilitation programs in orientation and mobility in general education and specialized settings. Graded CR/NC.

- **EDSP 4750 - Basic Travel in Orientation and Mobility for People who are Blind**

---

(3)

Prerequisites: Admission to the Orientation and Mobility Program. Principles and techniques of orientation and mobility, including use of long cane, for individuals who are blind in indoor and residential environments. Practical application of techniques during simulated blindfold experiences.

- **EDSP 4751 - Advanced Travel and Assistive Technology in Orientation and Mobility for Individuals who are Blind**

---

(3)

Corequisites: EDSP 4750. Principles and techniques of orientation and mobility, including assistive technology, for individuals who are blind in light business and urban environments. Practical application of techniques during simulated blindfold experiences.

- **EDSP 4760 - Instructional Strategies, Individualized Programming and Diversity in Orientation and Mobility**

---

(2)

Prerequisites: Eligibility for enrollment in EDSP 4066 - Directed Teaching in Orientation and Mobility. Strategies for assessment, planning, instruction and individualized programming in orientation and mobility for diverse learners who are blind and visually impaired. Course taken in conjunction with O&M fieldwork.

- **EDSP 4900 - Foundations of Special Education for Secondary Teachers in Urban Schools**

---

(1)

Prerequisites: Admission to single subject teaching credential program. Legal and historical foundations of special education for secondary teachers in urban schools. Classification systems, characteristics, risk factors, and introduction to services for students with disabilities and/or gifts and talents.

- **EDSP 4901 - Understanding Learners with Special Needs in Urban Secondary Classrooms**

---

(1)

Prerequisites: EDSP 4900. Understanding framework of support for students with disabilities and/or gifts and talents in secondary classrooms. Universal Design for Learning, differentiating instruction, positive behavior support, health factors, and collaboration and co-teaching.

- **EDSP 4902 - Supporting Learners with Special Needs in Urban Secondary Classrooms**

---

(1)

Prerequisites: EDSP 4901. Demonstrating skills in supporting students with disabilities and/or gifts and talents in secondary classrooms: co-planning and co-teaching with special educators; differentiating instruction and providing accommodations/modifications; high engagement strategies; high-stakes assessments.

- **EDSP 4950 - Intern Supervision Seminar**

---

(2)

Prerequisite: Admission to Intern program. Seminar and supervised field experience in special education that relate to the candidate's intended credential authorization, and that provide multiple opportunities to interrelate theories and practices in special education settings. Repeatability (May be repeated to a maximum of 10 units); Graded CR/NC

- **EDSP 4990 - Undergraduate Directed Study**

---

(1-3)

Prerequisite: Instructor consent to act as sponsor. Project selected in conference with sponsor before registration; progress meetings held regularly; final report submitted. May be repeated for credit.

### **Special Education (Graduate)**

*All 4000-level courses may be applied toward master's degree requirements except the following, subject to limits established by the division and approval of the graduate adviser: EDSP 4030, 4070, 4890. Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program.*

-

## EDSP 5002 - Advanced Secondary Instructional & Management

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(3)

Prerequisites: Completion of all requirements for formal admission to program and completion of introductory and developmental blocks. Implications of the use of pedagogical, instructional, and management models for student learning and understanding of strategies for differentiation of instructions.

- **EDSP 5036 - Fieldwork in Special Education: Orientation & Mobility Internship**

---

(3-6)

Prerequisites: EDSP 4066. Minimum grade point average of 3.0. Consent of Division Chair or designee. Supervised internship to teach orientation and mobility to individuals who are blind or visually impaired. Internship is collaboratively supervised by an on-site certified O&M Specialist and University faculty. May be repeated to maximum of 6 units.

- **EDSP 5040 - Selected Studies in Special Education**

---

(2-3)

Prerequisite: EDSP 4000. Intensive study of designated problems in special education. May be repeated for credit as subject matter changes.

- **EDSP 5041 - Fieldwork in Mild/Moderate Disabilities**

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(4)

Prerequisites: Completion of requirements for Preliminary Education Specialist Instruction Credential in Mild/Moderate Disabilities. Supervised fieldwork to complete requirements for Clear Education Specialist Instruction Credential in Mild/Moderate Disabilities, under the direction of a university supervisor. Required for candidates not employed as teacher of record.

- **EDSP 5042 - Fieldwork in Moderate/Severe Disabilities**

---

(4)

Prerequisites: Completion of requirements for Preliminary Education Specialist Instruction Credential in Moderate/Severe Disabilities. Supervised fieldwork to complete requirements for Clear Education Specialist Instruction Credential in Moderate/Severe Disabilities, under the direction of a university supervisor. Required for candidates not employed as teacher of record.

- **EDSP 5043 - Fieldwork in Physical and Health Impairments**

---

(4)

Prerequisites: Completion of requirements for Preliminary Education Specialist Instruction Credential in Physical and Health Impairments. Supervised fieldwork to complete requirements for Clear Education Specialist Instruction Credential in Physical and Health Impairments, under the direction of a university supervisor. Required for candidates not employed as teacher of record.

- **EDSP 5045 - Field Work in Early Childhood Special Education**

---

(4)

Prerequisite: Completion of requirements for Preliminary Education Specialist Credential in Early Childhood Special

Education or consent of division chair. Supervised field experience with young children with special needs. May be used to satisfy requirements for Clear Education Specialist Credential in Early Childhood Special Education or for students who do not have the credential. Graded CR/NC.

- **EDSP 5047 - Fieldwork with Students with Disabilities: Autism**

---

(4)

Prerequisites: EDSP 4630 and EDSP 5886. Minimum grade point average of 3.0. Consent of Division Chair or designee. Group and individualized supervised field training supporting individuals with ASD for the added authorization University Certificate in Autism Spectrum Disorders.

- **EDSP 5048 - Fieldwork in Special Education: Transition**

---

(4)

Prerequisites: All courses for Transition Specialist Certificate program and approval of a program coordinator or designee. Supervised group and individual field training in transition services for the University Transition Specialist Certificate. May be repeated for credit with program coordinator's approval.

- **EDSP 5049 - Internship Seminar and Fieldwork in Educational Therapy**

---

(3)

Prerequisites: Admission into Educational Therapy Certificate program, EDSP 5203, EDSP 5257, EDSP 5258, and certificate program coordinator approval. Seminar and supervised internship working with individual clients in approved educational therapy settings to develop effective clinical teaching skills, under the supervision of university faculty and site personnel.

- **EDSP 5050 - Fieldwork in Residency: Mild/Moderate Disabilities**

---

(6)

Prerequisites: Formal admission into special education pathway of Los Angeles Urban Teacher Residency (LAUTR) program and approval of program coordinator. Demonstration of instructional competencies specified for Education Specialist Instruction Credential in Mild/Moderate Disabilities under supervision and guidance of Mentor Teacher and University Supervisor. Required both fall and spring semesters. Repeated to a maximum of 12 units. Graded CR/NC.

- **EDSP 5090 - Advanced Methods and Models for Teaching Special Populations in General Education**

---

(3)

Prerequisite: EDSP 4000 or equivalent. Advanced methodology and models designed to make possible the social and academic inclusion of students identified with disabilities or as gifted/talented in the general education classroom.

- **EDSP 5095 - Seminar: Assessment of Induction Plan**

---

(3)

Prerequisite: A valid California Education Specialist Preliminary Credential. This course should be taken the final term of the Clear Credential Program. Final assessment of individualized induction plan by candidate, university supervisor, and district support provider. Induction plan is designed for the support and professional development of the beginning special educator. CR/NC

- **EDSP 5140 - Assessment and Evaluation in Early Childhood Special Education**

---

(3)

Prerequisite: EDSP 4000, 4010. Assessment for educational planning and progress monitoring of young children with special needs using a range of contemporary tools, including standardized, team-based, authentic, and play-based approaches.

- **EDSP 5150 - Interventions for Infants and Young Children with Special Needs**

---

(3)

Prerequisites: EDSP 4000, 4010. Corequisite for ECSE credential students: EDSP 5151. Evidence-based and recommended practices for planning and implementing interventions for infants and young children with special needs.

- **EDSP 5151 - Early Childhood Special Education Interventions Fieldwork**

---

(2)

Prerequisite: EDSP 4000 Corequisite: EDSP 5150. Practice with interventions used with young children with special needs. Graded CR/NC

- **EDSP 5160 - Medical and Behavioral Characteristics of Young Infants with Special Needs**

---

(3)

Prerequisite: EDSP 4000. Characteristics of the high-risk infant in the Neonatal Intensive Care Unit and after hospital discharge; characteristics of infants with identified disabilities; assessment and intervention strategies.

- **EDSP 5170 - Advanced Issues in Early Childhood Special Education**

---

(3)

Prerequisites: EDSP 5150. Current research and practices related to program development, intervention methods and parent-professional relationships in early childhood special education.

- **EDSP 5180 - Evidence-Based Practices in Literacy and Curriculum for Young Children with Disabilities**

---

(3)

Prerequisites: EDSP 4000, 4010, 5151. Examination of research and evidence-based practices supporting a sound foundation for literacy and other curriculum content areas for young children with disabilities and those at risk for reading problems.

- **EDSP 5203 - Assessment in Educational Therapy**

---

(3)

Prerequisite: EDSP 5258. Assessment skills used by educational therapists when evaluating clients with learning difficulties. Formal and informal assessments, interpreting test data from various sources, writing client reports, and guiding families through assessment process.

- **EDSP 5254 - Educating Individuals with Emotional/Behavioral Disorders**

---

(3)

Prerequisites: EDSP 4310 or EDSP 4252 or instructor consent. Etiology, characteristics, instructional impact, and support of students with emotional/behavioral disorders (EBD). Emphasis is placed on issues of identification, assessment, educational planning, and positive behavioral support.

- **EDSP 5255 - Advanced Methods in Mild/Moderate Disabilities**

---

(3)

Prerequisite: EDSP 4252. Advanced methods for identification and instruction of individuals with mild to moderate disabilities, including specific learning disabilities, mental retardation, and behavior disorders; current issues, emerging trends, transition to adulthood.

- **EDSP 5256 - Research in Mild/Moderate Disabilities**

---

(3)

Prerequisite or corequisite: EDSP 5800. Intensive investigation of several research bases concerning topics relevant to the education of mild to moderate disabilities.

- **EDSP 5257 - Advanced Study of Literacy Problems and Specialized Interventions for Students with Mild/Moderate Disabilities**

---

(3)

Prerequisite: EDSP 4050. Advanced study of literacy problems and methods for providing individualized, intensive, specialized literacy instruction to K-12 students with significant difficulties in reading and writing, across service delivery settings.

- **EDSP 5258 - Principles and Practices of Educational Therapy**

---

(3)

Prerequisite: EDSP 5257. Definition, role, ethical practices, and professional responsibilities of educational therapy. Working with clients with learning difficulties from an educational therapy perspective, including intake, assessment, goal setting, intervention strategies, case management.

- **EDSP 5310 - Building Social Competencies of Students with Moderate/Severe Disabilities**

---

(3)

Prerequisite: EDSP 4030. Building social skills of students with moderate/severe disabilities including emotional disturbance. Focus on behavior and communication issues, sex education, friendships and support networks, self-determination, and social skills.

- **EDSP 5370 - Teacher Created Assessments for Students with Moderate/Severe Disabilities**

---

(3)

Prerequisite: EDSP 4000 or permission of instructor. Review assessment strategies, develop teacher created assessment tools to gather information, and write appropriate Individualized Educational Plan (IEP) and individualized transition plans (ITP) for students with moderate/severe disabilities.

- **EDSP 5380 - Seminar in Moderate to Severe Disabilities**

---

(3)

Prerequisites: EDSP 5310 or permission from the instructor. Issues and research relevant to current practices in educational services of individuals with moderate/severe disabilities.

- **EDSP 5600 - Seminar: Education of Individuals with Physical Disabilities**

---

(3)

Prerequisite: EDSP 4620. Identification and analysis of problems and current issues relating to the education of individuals with physical disabilities and those with multiple disabilities; review of research on specific disabilities.

- **EDSP 5610 - Essential and Functional Skills for Students with Physical, Health, and Multiple Disabilities**

---

(2)

Prerequisite: EDSP 4000. Physical/health management and instructional strategies for students with physical, health, and multiple disabilities. Physical management techniques, assistive technology, functional skills for personal care, specialized instructional strategies, and health management.

- **EDSP 5640 - Academic Skills for Individuals with Visual Impairment and Blindness**

---

(3)

Prerequisites or concurrent enrollment: EDSP 4660; braille reading/writing and Nemeth code proficiency required. Assessments, methods, and strategies related to the teaching of academic skills to individuals with a visual impairment or blindness with emphasis on specialized assessment tools, instructional curriculum, materials, and methods.

- **EDSP 5650 - Advanced Seminar in Low Vision**

---

(2)

Prerequisite: EDSP 4650. Assessment and development of instructional strategies and modifications for individuals with low vision; use of optical/non-optical devices and visual skills to promote visual efficiency in home, school and community environments.

- **EDSP 5660 - Advanced Braille Codes for Individuals with Visual Impairments**

---

(3)

Prerequisite: EDSP 4660 or instructor consent. Advanced mathematical braille code and basic braille code for music, foreign language, and computer braille (ASCII) to VI teachers., including instructional strategies for teaching content related to codes, including abacus.

- **EDSP 5661 - Braille Competency Examination**

---

(1)

Prerequisite or concurrent enrollment: EDSP 5660. Students must demonstrate proficiency at overwriting and transcribing text into braille using a Perkins braille writer and a slate and stylus in literary and mathematical braille codes.

- **EDSP 5670 - Low Incidence Early Childhood Special Education**

---

(2)

Pre-requisite: EDSP 4000. Early intervention strategies for working with infants, toddlers, and young children with low incidence disabilities (deaf and hard-of-hearing, visual impairments, and physical and health impairments) and multiple disabilities.

- **EDSP 5671 - Specialized Instructional Strategies for Struggling Readers and English Language Learners Who are Visually Impaired**

---

(3)

Prerequisite or Corequisite: EDSP 5660. Advanced understanding of impact of visual impairment and English language fluency on reading/writing performance for students using Braille and/or print learning media, including development of individualized reading programs, diagnostic/remediation skills for teachers. Lecture 4 hours. Note: This course will be offered through a distance learning model that uses web-based learning, students must be proficient in, and have access to current technology (hardware and software), and be proficient in using e-mail, including sending attachments.

- **EDSP 5672 - Advanced Issues in Education of Students with Visual Impairment and Blindness**

---

(3)

Prerequisite: EDSP 4660 and EDSP 5800. Identification and analysis of issues and current research relating to education of students with visual impairment and blindness, including its applications to educational practice.

- **EDSP 5680 - Functional Skills from the Expanded Core Curriculum for Students who are Blind or Visually Impaired**

---

(2)

Prerequisites or corequisite: EDSP 4000. Teaching functional skills (e.g., personal management, self-advocacy, recreation, social and daily living skills, cooking, and O&M basics) from the expanded core curriculum to students who are blind or visually impaired.

- **EDSP 5690 - Specialized Technology for Individuals with Visual Impairments**

---

(3)

Prerequisite: EDSP 4660 or equivalent. Hands-on instructional training and applied practicum in adaptive technology specific to individuals with visual impairments, including electronic notetakers, tactile graphics, computer-generated braille translation, and computer screen access programs.

- **EDSP 5750 - Seminar in Orientation and Mobility for Individuals who are Blind**

---

(3)



Prerequisite: Admission to the Orientation and Mobility Program. Seminar in orientation and mobility to support travel for individuals who are blind and visually impaired across the lifespan, including methods, assessment, sensory systems, health/development, assistive technology and environmental access.

- **EDSP 5760 - Seminar in Visual Impairment and Additional Disabilities**

---

(2)

Prerequisites: EDSP 4000. Seminar for addressing the impact of additional disabilities when teaching students who have visual impairments. Emphasis is on modifications, accommodations, task analysis, positive behavior support, communication strategies, and use of adaptive devices.

- **EDSP 5800 - Research Methods in Special Education**

---

(3)

Prerequisite: EDSP 4000 or equivalent. Study of research relating to psychological and educational problems of exceptional children, introduction to methodological problems in developing, conducting, and reporting research in special education.

- **EDSP 5801 - Problems and Practices in Special Education**

---

(3)

Prerequisite: EDSP 4000 or equivalent. Problems of organization, administration, and supervision of special education programs; evaluation of recent proposed needed legislation; review of current literature for advanced students and administrators.

- **EDSP 5811 - Seminar: Issues and Strategies for Multicultural Special Education Students**

---

(3)

Prerequisites: EDSP 4010. Introduction to special education for multicultural/bilingual exceptional students, issues in nondiscriminatory assessment, instructional strategies for multicultural/bilingual special education students

- **EDSP 5881 - Transition Planning for Secondary Students with Disabilities**

---

(3)

Principles and issues of transition planning for secondary-level students with disabilities in postsecondary education, supported employment, independent living, leisure/recreation, and community living, self-determination, needs assessment in curriculum, instructional strategies, and inter-agency collaboration.

- **EDSP 5886 - Educating Students with Autism Spectrum Disorders**

---

(3)

Prerequisite or co-requisites: EDSP 4030 or COUN 5016. Characteristics of Autism Spectrum Disorders. Review of assessment strategies, current interventions to improve behavior, communication, and social skills across the lifespan. Classroom arrangement and organization strategies. Interdisciplinary approaches, family partnership.

- **EDSP 5887 - Advanced Strategies Supporting Individuals with Autism Spectrum**

## Disorders

---

(3)

Prerequisites EDSP 4030, EDSP 5886. Current research, assessment and data collection, evidence-based methodologies and collaborative consultation with multidisciplinary teams; support across diverse student and family needs, in various educational settings, and across the lifespan for individuals with ASD.

- **EDSP 5960 - Comprehensive Examination**

---

(0)

See the Comprehensive Examination in the requirements for the (Masters) Degree section of this chapter.

- **EDSP 5970 - Graduate Research**

---

(1-3)

Prerequisites: EDFN 5000 or instructor consent. Independent research under guidance of faculty. May be repeated for credit. Graded CR/NC.

- **EDSP 5980 - Graduate Directed Study**

---

(1-3)

Prerequisites: A B (3.0) grade point average in all graduate work in education, consent of division chair and instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDSP 5990 - Thesis or Project Planning**

---

(2)

Prerequisite: EDFN 4520 and 5000 or EDSP 5800, advancement to candidacy, submitted writing sample, and written approval of the thesis or project chair. Prior to completion, student will have completed a draft of thesis or project proposal, selected a thesis committee, and submitted a final draft of the thesis or project proposal to the committee, and turned in all required paperwork IRB application, if required, should also be submitted for review. Graded CR/NC.

- **EDSP 5991 - Thesis or Project**

---

(2)

Prerequisites: EDSP 5990 and written approval of thesis/project chair. Completion of the thesis or project or substantial progress toward completion under the direct supervision of the thesis or project committee. Graded CR/NC; repeatable up to 4 units.

- **EDSP 9000 - Graduate Studies**

---

(0)

Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

## Special Education (Doctoral)

- EDSP 6000 - Seminar: Understanding and Using Research to Answer Questions about Diverse Urban Schools

---

(3)

Prerequisite: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Development of critical analysis, interpretation, synthesis of research, and communication of findings on issues related to students with disabilities in diverse urban schools and colleges to promote achievement and inclusion.

\*Semester Units

- EDSP 6040 - Disability, Race, Language, and Gender: Educational Equity, School Policy, and the Law

---

(3)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Current legal, policy, and leadership issues regarding the education of diverse students, with a focus on disability, race, language, and gender. Review of important and litigation with practice implications.

- EDSP 6050 - Disability in Society

---

(3)

Prerequisite: Admission to the Ed.D or Ph.D. Program or consent of the instructor. Research on disability and its impact on the individual and society; leadership perspectives and skills for supporting persons with disabilities.

- EDSP 6400 - Research on Exceptional Students from Diverse Cultural and Linguistic Backgrounds

---

(3)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Research on the relationships among culture language, and literacy; impact of disabilities on language, cognition, and academic achievement; identification and placement issues/strategies; and culturally responsive educational settings.

- EDSP 6600 - Seminar: Research on Learning Disabilities and Behavior Disorders

---

(3)

Prerequisites: Post-master's degree standing and permission of instructor, program director/coordinator, and division chair. Research, theory, and policy related to educating individuals at-risk or identified as having learning disabilities or behavior disorders; issues related to prevention and risk, identification, placement, and intervention.

- EDSP 6800 - Doctoral Seminar: Moderate to Severe and Low-Incidence Disabilities Ages Birth-21

---

(3)

Prerequisites: Post-masters degree standing and permission of instructor, program director/coordinator, and division chair. Research on education of individuals with disabilities, birth - age 21, with emphasis on moderate to severe and

low incidence disabilities. Focus on services and evidence-based practices for diverse populations.

- **EDSP 6980 - Doctoral Directed Study in Special Education**

(1-5)

Prerequisite: Consent of an instructor to act as sponsor. Independent directed study of advanced topics in field; regular conferences with sponsor. May be repeated for credit.

- **EDSP 6990 - Doctoral Dissertation**

(3-5)

Prerequisites: Advancement to candidacy for Ph.D. degree, consent of an instructor to act as sponsor, division approval of topic prior to registration. Continuous enrollment required while student is working on dissertation.



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### Course Filter

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### Teaching English to Speakers of Other Languages (Undergraduate)

- **TESL 3010 - Introduction to Sociolinguistics**

(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Introduction to the study of language in relation to ideologies, attitudes, power, dialects, race, ethnicity, gender, identity, class, globalization. Promotes awareness of the impact of these relationships on students' lives.

**GE UD D (d)**

- **TESL 4000 - Linguistics in Language Education**

(3)

This introductory course examines key sociocultural and educational issues related to language learning and use and covers key concepts in linguistics such as phonology, morphology, syntax, and semantics.

### Teaching English to Speakers of Other Languages (Graduate)

All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the division and approval of the graduate adviser.

Classified graduate standing is required for admission, except that postbaccalaureate students may enroll in 5000-level courses that are required in a credential program

- **TESL 5600 - Theories of Teaching and Learning Second Languages**

(3)

Prerequisite: TESL 4000; or ENGL 4101, or EDSP 4010. Addresses major questions in the teaching and learning of second languages, such as how first language acquisition compares with second, the role of affective/cultural variables and theories underlying teaching methods.

- **TESL 5610 - Pedagogical Grammar for Teachers of ESL/EFL**

---

(3)

Prerequisites: TESL 4000, EDSP 4010, or ENGL 4101, and TESL 5600. The role of grammar in second/foreign language teaching and survey of the structure of English grammar for ESL/EFL teachers; strategies for presenting grammatical forms to nonnative speakers of English.

- **TESL 5620 - Methods for Teaching Second Languages**

---

(3)

Prerequisite: TESL 5600. Current instructional methods for teaching ESL/EFL to students at beginning through intermediate levels (K-12, Adult).

- **TESL 5640 - Teaching English as a Second Language for Academic Purposes**

---

(3)

Prerequisites: TESL 5600; TESL 5620. Teaching techniques for preparing ESL students for university-level academic study.

- **TESL 5650 - Using Computers in the Language Classroom**

---

(3)

Prerequisite: TESL 5600; EDIT 4300 or equivalent. Prepares students to integrate computers and apps in the language classroom; teaches how to design web pages and online courses with language learning goals.

- **TESL 5660 - English Phonetics for Second Language Teachers**

---

(4)

Prerequisites: TESL 4000, TESL 5620. English phonetics and the phonetic phenomena that occur in the major languages of English language learners. A detailed study of the sounds and prosody of American English and other Englishes.

- **TESL 5670 - Language Testing**

---

(3)

Prerequisite: EDFN 5000, TESL 5600, TESL 5620. Analysis of testing and evaluation in second language programs; emphasis on designing effective classroom-based assessments and evaluating standardized test instruments used for assessing language proficiency.

- **TESL 5680 - Practicum in English as a Second Language**

---

(3)

Prerequisites: TESL 5640: Supervised field experience in teaching English as a second language.

- **TESL 5690 - Language Planning and Language Policy**

---

(3)

Prerequisite: TESL 5600. Survey of approaches to ESL/EFL language planning and policy including language maintenance, shift and standardization in multilingual and multicultural communities in the U.S. and abroad.

- **TESL 5700 - Educational Sociolinguistics**

---

(3)

In-depth study of language in relation to ideologies, attitudes, power, dialects, race, ethnicity, gender, identity, class, age, and globalization. Promotes awareness of the impact of these factors on language learners.

- **TESL 5710\* - Discourse Analysis in the Language Classroom**

---

(3)

Prerequisite: TESL 5600. A sociolinguistic analysis of interactional patterns, expectations, and communication strategies in the language classroom; emphasis on current studies with some direct experience in discourse analysis as a legitimate research method.

- **TESL 5720 - ESL/EFL Course, Syllabus and Materials Design**

---

(3)

Prerequisites: ENGL 4000, TESL 5600, TESL 5620. Survey of approaches to ESL/EFL course and syllabus design including materials selection, adaptation, development, and evaluation.

- **TESL 5730 - Current Issues in Classroom Second Language Acquisition**

---

(3)

Prerequisites: EDFN 5000, TESL 5600. Current issues as they illuminate the second language acquisition process in classrooms. May be repeated to a maximum of 6 units for credit, with prior approval of a TESOL advisor.

- **TESL 5750 - EFL/ESL Reading-Writing Connections**

---

(3)

Prerequisites: TESL 5600, TESL 5620. This course examines EFL/ESL reading/writing theory and pedagogy in adult EFL/ESL classrooms and English for academic purposes classrooms in Intensive English Programs and community colleges.

- **TESL 5960 - Comprehensive Examination**

---

(0)

Graded CR/NC.

- **TESL 5970 - Graduate Research**

---

(1-3)

Prerequisites: EDFN 5000. May be repeated for credit. Graded CR/NC.

- **TESL 5980 - Graduate Directed Study**

---

(1-3)

Prerequisite: 3.0 GPA; Consent of chair & instructor. Independent directed study of advanced topics in TESOL, regular conferences with sponsor. May be repeated for credit.

- **TESL 5990 - Thesis or Project Planning**

---

(2)

Prerequisites: EDFN 4520,5000, advancement to candidacy, written approval of thesis chair. (Students selecting the project option do not have to take EDFN 4520). Students will completed a draft of thesis/project proposal, selected a thesis/project committee, and submit all required paperwork. An IRB application, if applicable, should also be submitted for review. Graded CR/NC.

- **TESL 5991 - Thesis or Project**

---

(2)

Prerequisites: TESL 5990 and written approval of thesis/project chair. Completion of the thesis or project or substantial progress toward completion under the direct supervision of the thesis/project committee. Graded CR/NC; repeatable up to 4 units.

### **Teaching English to Speakers of Other Languages (Doctoral)**

(Doctoral Courses)

- **TESL 6000 - Language Planning and Policy**

---

(3)

Overview of language acquisition in educational settings; language planning with specific reference to local, state, national, and international educational contexts; historical, social, and theoretical perspectives on language policy and planning.

\*Semester Units

- **TESL 6020 - Academic Writing for Success in Doctoral Studies**

---

(3)

Prerequisite: Admission to Ed.D./Ph.D. programs. Focus on discourse awareness and strategies for improving academic writing in education disciplines and related subject areas. May be repeated for a maximum of 6 units. (Graded CR/NC)

### **Technology (Graduate)**



All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser. Classified graduate standing is required for admission to all 5000 level courses

- **TECH 4980 - Cooperative Education (Graduate Students only)**

**(See UNIV 4980)**

---

(1-3)

Cooperative Education.

- **TECH 5100 - Technology Forecasting and Assessment**

---

(3)

Concepts and methods of forecasting technology development, and methods of assessing social and environmental implications of using technology.

- **TECH 5310 - Security Issues in the 21st Century**

---

(3)

Responses of organizations to modern security threats, including technology, legal issues, vulnerability assessments, terrorist activity, and interagency cooperation.

- **TECH 5320 - Hazardous Material and Disaster Management**

---

(3)

Examination of regulatory issues, hazard analysis, contingency planning, response resources, policies and procedures, implementation, emergency information systems, tactical considerations, recovery and termination procedures and program evaluation.

- **TECH 5410 - Leadership of Career and Technical Education and Training Programs**

---

(3)

Leadership of departments or colleges devoted to instruction in the areas of Technology Education, Career and Technical Education, and Industrial Training. Some course sections may be offered online.

- **TECH 5420 - Curriculum Development for Career and Technical Education and Training**

---

(3)

Development of curriculum and instruction in the areas of Technology Education, Career and Technical Education, and Industrial Training. Some course sections may be offered online.

- **TECH 5510 - Product Conceptualization and Realization**

---

(3)

Review of advanced product development process, including study of global collaboration and environmentally conscious design and manufacturing. Case studies and virtual reality exercises using team-based product development efforts.

- **TECH 5520 - Six Sigma for Manufacturing**

---

(3)

Provide background and knowledge base of Six Sigma quality and process-improvement methodologies and its applications in manufacturing sectors. Emphasis will be placed on DMAIC improvement cycle.

- **TECH 5900 - Research Development for Technology Leadership**

---

(3)

Prerequisite: TECH 5100. Integration and application of research theories and skills to technology leadership research. Students design and plan a research study including proposal, literature review and critical analysis.

- **TECH 5960 - Graduate Studies**

---

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **TECH 5970 - Graduate Studies**

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **TECH 5980 - Graduate Directed Study**

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(1-3)

Independent study of advanced topics in field; regular conferences with sponsor.

- **TECH 5990 - Thesis**

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(1-3)

Independent research resulting in a thesis or project. Must be repeated to total of 3 units. Graded CR/NC.

- **TECH 5991 - Comprehensive Examination**

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(0)

Permission needed by Department. Students who select the comprehensive examination (Tech 5991) should expect to take it the semester they complete all coursework on their program, and must comply with college and department requirements.

- **TECH 5997 - Project**

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(1-3)

Instructor consent to act as sponsor, departmental approval of topic prior to registration. Independent research resulting in a project. Graded CR/NC.

- **TECH 9000 - Graduate Studies**

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(0)

Prerequisite: TECH 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

#### **Television, Film and Media Studies (Undergraduate)**

- **JOUR 3400 - Interviewing For News Media**

---

3

Prerequisites: Satisfactory completion of at least two of the following courses: TVF 2920, TVF 2000, TVF 3000; and upper division standing. Practicum in preparing for and conducting interviews for news media. Analysis of interview techniques. Includes ethical and legal parameters involved in interview processes and outcomes.

- **JOUR 4750 - Television News Studio Production**

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(3)

Prerequisites: TVF 2010, TVF 2000. Practicum in television news/magazine segment production. Students produce a 30 min. newscast of previously recorded stories and other materials. May be repeated up to 6 units. Lecture 2 hours, activity 2 hours.

- **JOUR 4820 - Digital Journalism**

---

(3)

Prerequisites: JOUR 2920 and 3 units of upper division TVF production coursework. Students learn to identify stories, research, write, produce and publish to the web a wide range of journalism content consisting of text, audio, video, animation and other computer-based communications.

- **TVF 1000 - Media in Everyday Life**

---

(3)

A critical introduction to media studies with an emphasis on understanding contemporary media industries and technologies as well as the mediated evolution of individual and cultural identities.

#### **CI-D JOUR 100:**

The University course listed above articulates with any California Community College (CCC) course that is approved by the C-ID program and given the corresponding "C-ID Course" designation listed here. The articulation is one-way articulation, meaning the approved community college course will articulate for the indicated course credit at the four-year university. Articulation does NOT apply from the four-year institution to the community college or between the four-year institutions.

- **TVF 1100 - Media Writing**

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(3)

Prerequisite: LD GE A3 Analysis and practice of forms of writing for and about media, including argumentative writing, reviews and essays. Strategies for writing close textual analyses of television and film are emphasized. Lecture 2 hours, activity 2 hours.

- **TVF 1200 - Introduction to Audio**

---

(3)

Through class lectures, reading and lab projects, the students will gain an understanding of how sound functions in film, television and radio. Students will be exposed to different types of microphones, recording devices and recording techniques. They will gain a basic knowledge of the equipment that is used to capture the sound for these mediums and have hands on experience doing so. Lecture 2 hours, activity 2 hours.

- **TVF 2000 - Introduction to Digital Media**

---

(3)

Prerequisite: TVF majors or by permission of the instructor. An introduction to the fundamental production skills and aesthetics of audio, video/television, film and new media. Topics include pre-production planning, camera operation, location lighting, sound and editing. Lecture 2 hours, activity 2 hours.

- **TVF 2010 - Introduction to Studio Production**

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(3)

Introduction to television production facilities, equipment and techniques. Principles of directing, camera, sound, control room operations. Lecture 2 hours, activity 2 hours.

- **TVF 2260 - A Journey Through World Cinema**

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**(also listed as ENGL 2260)**

(3)

Critical survey of world cinema as art and cultural artifact. Provides critical methodology and practical tools for analyzing and interpreting international film movements, genres and themes.

**GE C1**

- **TVF 2500 - Media, Culture and Identity**

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(3)

Explores the social construction of gender, class, "racial"/ethnic, sexual, national and consumer identity, emphasizing the role of the media in identity formation. Takes historical, sociological, psychological, political, economic and ideological approach.

**GE D ; (d)**

- **TVF 2650 - Introduction to Scriptwriting**

---

(3)

Prerequisites: TVF1000, TVF1100, TVF2000. Basic theory and techniques of short screenplay structure and storytelling. Writing workshops serve in the development of idea synopsis, characters, treatment, and step outline culminating in an original fictional short screenplay (20 to 25 pages). Lecture 2 hours, activity 2 hours.

- TVF 2666 - Science Fiction Film and Television

**Also listed as LBS 2666**

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(3)

Survey of science fiction film and television from 1900 to the present with an emphasis on major themes and characteristics of the genre.

**GE C1 (d)**

- TVF 3000 - Writing and Media Ethics

(3)

Prerequisites: TVF 1000, TVF 1100, and upper division standing. Writing practicum in historical and critical approaches to media studies focusing on the subject of media ethics. Emphasizing language usage in description and persuasion as well as effective written argumentation. Lecture 2 hours, activity 2 hours.

**GE (wi)**

- TVF 3010 - Intermediate Studio Production

(3)

Prerequisites: TVF 2010 and either TVF 2650 or instructor consent. Intermediate study of directing principles and production techniques as applied to educational, informational, and cultural program production. Lecture 2 hours, laboratory 2 hours.

- TVF 3020 - Intermediate Production

(3)

Prerequisites: TVF2000, TVF2010, TVF2650 Development of production skills and investigation of current work flows. Topics covered include production management, lighting, cameras, formats, digital file management, audio recording, editing and distribution. Lecture 2 hours, activity 2 hours

- TVF 3030 - Digital Post Production

(3)

Prerequisites: TVF 2000, 2010. Provides application and operational understanding of digital post-production. Lecture 2 hours, activity 2 hours.

- TVF 3031 - Digital Sound Post Production

(3)

Prerequisite: TVF 1200. This course will focus on building sound editing skills. Students will focus on learning specific tools and approaches as applied to sound post-production editing. Lecture 2 hours, activity 2 hours

- TVF 3200 - Sound Design for Entertainment Media

(3)

Prerequisite: TVF 1200. Through class lectures, reading and lab projects, the students will expand understanding of how sound functions in film, television and radio. Students will use their current knowledge of different types of microphones

and recording devices to further develop their recording techniques. They will deepen their knowledge of the equipment that is used to capture the sound for these mediums and have hands on experience doing so. They will also continue to refine their abilities to develop concepts for sound and the editing process. Lecture 2 hours, Activity 2 hours.

- TVF 3240 - Third Cinema/Video

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Survey and analysis of the cultural and textual politics of Third Cinema and Video, fiction and non-fiction produced by, and for, developing countries and diaspora communities in Western countries.

**UD GE C; (re)**

- TVF 3270 - Television History and Programming

---

(3)

Prerequisites: TVFM 1000, TVFM 1100, TVFM 2010 An examination of American television history and programming focusing on critical discourses and textual analysis, including issues of race, ethnicity and class. (Lecture 2 hours, Activity 2 hours)

- TVF 3280 - Film History

---

(3)

Prerequisite: Upper Division Standing, TVF 3000. Examination of significant historical events, persons and movements which have influenced the cultural and institutional development of motion pictures.

- TVF 3300 - The Documentary in Broadcasting and Film

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(3)

Prerequisites: Upper Division Standing, TVF 3000. Historical and critical study of documentary form in broadcasting and film using classic examples in radio, television, and motion pictures.

- TVF 3340 - "Race", Justice and the Mass Media

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(3)

Prerequisite: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the history of race and racism in US society and culture. Emphasizes historical role of the media in the cultural politics of "race" and racism within the US and between the US and other nations.

**UD GE C; (re)**

- TVF 3540 - Selected Studies

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(3)

Special application of audio and video production and post production technologies. Variable topics. May be repeated to maximum of 12 elective units as subject matter changes. Graded CR/NC.

- TVF 3640 - Television Spec Writing

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(3)

Prerequisites: TVF 2650. This course will cover the half-hour TV sitcom or hour-long TV drama. Students will study the history and structure of the sitcom or drama and produce character bios, pitches, beat sheet, outline and a spec script of a current on-air television sitcom or drama. May be repeated to a maximum of 6 units. Lecture 2 hours, activity 2 hours.

- **TVF 3650 - Intermediate Scriptwriting**

---

(3)

Prerequisites: TVF 2650. Review of basic theory and technique of screenwriting, plus advanced storytelling tools in the development of a story for a feature-length film. Lectures and workshops enable the development of synopsis, characters, story treatment culminating in a Step Outline (30 to 50 scenes). The scene as the basic building block of a screenplay is emphasized through scene writing exercises. Lecture 2 hours, activity 2 hours.

- **TVF 3660 - Violence, Culture and the Media**

---

(3)

Prerequisites: Completion of Block A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Examines the impact of the mass media on individual and collective violence, utilizing cultural and semiotic/textual forms of theory and analysis.

**UD GE C**

- **TVF 3830 - Gender and Sexuality in Popular Culture**

**(also listed as ENGL 3830)**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Survey and critical analysis of narrative and visual representations of gender and sexuality in the modes of popular culture, such as television, film, advertising, popular fiction, and the tabloid press.

**UD GE C; (d)**

- **TVF 3970 - Cinematography**

---

(3)

Prerequisite: TVF 2000, TVF 1200, TVF 3020. Principles and practices in motion picture photography including directing for single camera, camera operation, lighting, and editing. May include field trips. Lecture 3 hours, activity 2 hours. Repeatable to 8 units.

- **TVF 3980 - Cooperative Education**

**(see UNIV 3980)**

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(1-6)

Cooperative Education

- **TVF 4000 - Community Impact Media**

**Also listed as LBS 4000 and CHS 4000**

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(3)

Community engagement course in which CSULA students provide neighboring community youth from high schools and community arts centers with hands-on media making/storytelling mentorship toward the production of video projects written and directed by the youth filmmakers.

- **TVF 4010 - Advanced Production**

---

(3)

Prerequisites: TVF 2000, TVF 2010, TVF 3010. Advanced production with emphasis on the single camera production of finished professional quality dramatic programming. Seminar 2 hours, activity 2 hours.

- **TVF 4200 - Media Law**

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(3)

Prerequisites: TVF 1000, TVF 1100, or consent of instructor. A critical survey of key issues in U.S. media law and policy, emphasizing first amendment concerns, libel, privacy and copyright/intellectual property.

- **TVF 4230 - Gender and Sexuality in the Media**

---

(3)

Survey and critical analysis of narrative and visual representations of gender and sexuality in media platforms and program genres.

- **TVF 4240 - Multiculturalism, Media and Social Justice**

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(3)

Prerequisites: Upper Division Standing, TVF 3000. This course is designed to illuminate socio-political and cultural processes through which ideas of "race"/ethnicity are constructed and contested in history of US society and culture with emphasis on media representations. Lecture 3 hours.

- **TVF 4300 - Documentary Field Production**

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(3)

Prerequisites: TVF 2000, TVF3300. Video field practicum stressing aesthetics and techniques of documentary production. Lecture 3 hours, laboratory 2 hours.

- **TVF 4400 - Non-Commercial Broadcasting and Film**

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(3)

Prerequisites: Upper Division Standing, TVF 3000. Analysis of noncommercial broadcasting and film systems; special focus on the Public Broadcasting System and key film distribution companies.

- **TVF 4450 - Film Festivals, Conventions and Conferences**

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(3)



Prerequisites: TVF 1000, TVF 1100 A class for students attending festivals, conventions, or conferences and engaging in pre-professional activities. May be repeated to a maximum of 6 units.

- **TVF 4530 - International Communication Media**

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(3)

Prerequisite: Upper Division Standing, TVF 3000. Description and analysis of media systems (print, audio, and video) as they exist in various countries around the world, and the means by which information is exchanged internationally.

- **TVF 4540 - Selected Studies in Television and Film**

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(1-3)

Selected topics in media, as announced in Schedule of Classes. May be repeated to maximum of 9 units for credit as subject matter changes.

- **TVF 4540L - Selected Studies in Production**

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(3)

Special application of audio and video production techniques in the creation of entertainment, educational, documentary, and public affairs programming. Variable topics. May be repeated to maximum of 12 units as subject matter changes. Lecture 3 hours, laboratory 2 hours.

- **TVF 4600 - Theories in Mass Communication**

---

(3)

Prerequisite: Upper Division Standing, TVF 3000. Historical and analytical investigation of mass communication/media theory.

- **TVF 4620 - Criticism of and Film and Television**

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(3)

Prerequisite: Upper Division Standing, TVF 3000. Purposes and methods of criticism as applied to film and television; development of standards of critical evaluation as determined by analyses of selected television programming and motion pictures.

- **TVF 4640 - Television Pilot Writing**

---

(3)

Prerequisites: TVF 2650, TVF 3650, TVF 3640. This course focuses on the half-hour and hour-long TV pilot. Students will tap into their personal story to create an original TV Pilot, developing character bios, pitches, beat sheet, and outline that will culminate in an original sitcom or drama. Lecture: 2 hour, activity 2 hours.

- **TVF 4650 - Advanced Screenwriting**

---

(3)

Prerequisite: TVF2650 and TVF3650. The writing of a feature-length screenplay (90 to 120 pages) along with scene reading/labs, based on a previously completed Step Outline.

- TVF 4665 - Science Fiction Across Media

**Also listed as LBS 4665**

---

(3)

Examination of the origins and development of the science fiction genre across media such as print, film, radio, comics, television, and video games.

- TVF 4700 - Media Professions

(3)

Prerequisites: Upper Division Standing; TVF 3000. Introduction to careers and themes in broadcasting. Students learn operations, historical precedents, financial structures and social implications of major media, and explore their own career potentials for them.

- TVF 4800 - Emerging Media and Technologies

(3)

Prerequisites: TVF 1000, TVF 1100, TVF3000. Survey of different types of emerging technology that are used in entertainment design and entertainment media with focus on non-traditional forms of entertainment creation, including but not limited to theme park design, gaming design and media art.

- TVF 4801 - Motion Picture Preproduction and Production

(3)

Prerequisite: TVF2000, TVF3000. Preparation and production of a motion picture; emphasis on producing a short film of approximately 30 minutes in length. Lecture 2 hours, activity 3 hours.

- TVF 4802 - Motion Picture Post Production

(3)

Prerequisite: TVF4801. Editing the motion picture, as planned in TVF 4801; emphasis on short films of approximately 15 to 30 minutes. May be repeated to a maximum of 6 units. Lecture 2 hours, activity 3 hours.

- TVF 4970 - TVF Portfolio

(3)

Prerequisites: Completion of one of the four TVF Option Pathways. This capstone class focuses on the culmination of TVFM studies through the creation of a representative digital portfolio. Seminar 2 hours, Activity 2 hours.

- TVF 4990 - Undergraduate Directed Study

(1-3)

Prerequisites: Consent of adviser and of an instructor to act as sponsor. Individual projects designed to reflect ability of student and to be a contribution to field of educational, informational, or cultural broadcasting. May be repeated to maximum of 8 units.

- TVFT 5152 - Voice for Performers II

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(2)

Prerequisite: TVFT 5151 Voice training for the performer. This course is a continuation of the understanding and use of the performers voice exploring the techniques of Fitzmaurice Voicework® to achieve relaxation, increase vocal power, variety and expressiveness. Activity 6 hours

- TVFT 5170 - Theatrical Producing and Management

---

(3)

An overview of the theatre from non-profit to commercial; including venues and types, everyday vocabulary used by the professionals, the players, the basic business and creative structures, budgeting and scheduling for the theatrical endeavor.

- TVFT 5172 - Producing for Film/TV

---

(3)

This course will prepare the student with an in-depth knowledge of the full range of professional facilities, staffs, and resources and their integration in the production process. The class will further serve to prepare the graduate student with the technological and organizational skills necessary to mount the final culmination thesis projects required for completion of the MFA degree.

- TVFT 5180 - Visual Concepts in Theatrical Design

---

(3)

Survey of visual concepts of design disciplines for theatrical performance. Includes discussion of scenic, costume, and lighting design among others. Emphasis on director-to-designer communication/collaboration and basic understanding of design techniques. Seminar 2 hours, Activity 2 hours

- TVFT 5221 - Film Writing: Short

---

(3)

Prerequisite(s): TVFT 5105, TVFT 5115, TVFT 5120, TVFT 5121 Graduate level introduction to dramatic theory and technique in storytelling for a fiction short screenplay. Writing workshops serve in the development of idea, synopsis, characters, treatment and step outline culminating in an original fictional short screenplay.

#### **Television, Film and Theatre (Graduate)**

*Classified graduate standing is required for admission to all 5000-level courses*

- TVFT 5080 - Media Arts, Theatre and Society

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**(also listed as COMS 5080)**

(3)

Historical and current relationship between media arts, theatre and society. Study scholars and practitioners who address questions regarding contemporary roles, potentials and impacts of these arts and professions.

- **TVFT 5100 - Immersion: Theatre**

(3)

Co-requisite: TVFT 5101 Theatre fundamentals. Students learn about the theatre process through seminar, round-tables, site visits to theatres, observation and dialogue with professionals in the field.

- **TVFT 5101 - Immersion: Theatre Practicum**

(3)

Co-requisite: TVFT 5100 This practicum is the opportunity for students to obtain hands-on experience working on CSULA productions as assistant directors, assistant designers, stage managers, running crew and technical operators for all CSULA productions. Activity 6 hours

- **TVFT 5105 - Dramatic Structure I: Theatre**

(3)

Analysis of dramatic and theatrical structures. Analysis of script and performance, genre and style. Primarily western, but also considers some non-western forms.



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|--|--|--|--|---|---|
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File Viewers



# University Catalog

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### Television, Film and Theatre (Graduate)

*Classified graduate standing is required for admission to all 5000-level courses*

- **TVFT 5110 - Immersion: Film/Television**

(3)

Film/Television fundamentals. Students learn about film/television production through seminar, round-tables, site visits to productions, studios, networks, post houses, stages, and through observation and dialogue with professionals in the field. Seminar 3 hours

- **TVFT 5111 - Immersion: Film/TV Practicum**

(3)

Co-requisite: TVFT 5110 This required practicum will expose the student to current production workflows, including digital pre-production, camera skills, lighting, sound recording, digital file management, sound stage safety and procedures, editing, sound editing, and distribution mechanisms. This course will also provide an orientation to available resources and support in the college and LA area. Activity 6 hours

- **TVFT 5113 - Development: Theatre**

(3)

Course will focus on the different stages once a play has been written: play submission, inquiry letters, workshop, festivals & production process, commissions, contracts, publication, and agents.

- TVFT 5115 - Dramatic Structure II: Film/TV

---

(3)

Prerequisites: TVFT 5105 Dramatic Structure I: Theatre Analysis of film and television script structures with special attention to character, scene, and story.

- TVFT 5120 - Playwriting: One Act

---

(3)

Planning, preparing, and writing manuscripts for stage; emphasis on handling play structure, characterization, dialogue, play formatting and process dramaturgy.

- TVFT 5121 - TV Spec: Sitcom

---

(3)

Introduce students to the half-hour TV format with special attention to structure, scene, character, and story in writing a Spec Sitcom Script.

- TVFT 5123 - Development: Television

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(3)

The television development process for writers.

- TVFT 5133 - Development: Film

---

(3)

The feature script development process for writers, directors, and producers.

- TVFT 5141 - Movement I: Contemporary Dance

---

(2)

Introduction to contemporary dance with a focus on alignment, flexibility, strength, the fundamentals of dance vocabulary and the connection between movement, thought and emotion. May be repeated up to 6 units. Activity 6 hours.

- TVFT 5142 - Movement II

---

(3)

Pre-requisites TVFT 5141 This course will be an intensive immersion into only one of the following codified movement techniques for performers: Lecoq, Grotowski, Alexander, Developmental or Commedia Dell Arte Yoga/Martial Arts. Activity 6 hours

- TVFT 5143 - Movement III

---

(2)

Pre-requisites TVFT 5141 and TVFT 5142. This course will be an intensive immersion into only one of the following

codified movement techniques for performers: Lecoq, Grotowski, Alexander, Developmental or Commedia Dell Arte Yoga/Martial Arts. Activity 6 hours.

- TVFT 5151 - Voice I

---

(2)

Voice training for the performer; connecting sounds and language to thoughts and feelings via movement. Through Linklater Technique and Roy Hart, students discover the power of the human voice. Activity 6 hours

- TVFT 5161 - Acting Studio I

---

(2)

Fundamentals of acting for naturalistic performance, the history of actor training and the current theatrical community of Los Angeles. Students present contemporary dramatic scenes and monologues. Activity 6 hours.

- TVFT 5162 - Acting Studio II

---

(2)

Prerequisite: TVFT 5161 Acting Studio I. Deeper understanding and application of fundamental acting techniques: objectives, actions/tactics, substitution, personalization, physical and vocal commitment, and application to contemporary comedic scenes and monologues. Activity 6 hours

- TVFT 5190 - Directing: Stage

---

(3)

A practical course on play directing, script analysis, blocking, auditions, casting, design concepts, scheduling and conducting rehearsals, communication techniques for artistic collaboration, and presentation of scene work. Seminar 1 hour, activity 4 hours.

- TVFT 5200 - Directing: Approaches and Practices

---

(3)

Critical examination of major theoretical as well as practical approaches to directing theatre, film, and television. Examination of the work of major theatre and film directors.

- TVFT 5202 - Surviving the Industry

---

(2)

Students in all cohorts learn to successfully navigate and survive the ins and outs of working in the film, television and theatre industries.

- TVFT 5211 - TV Spec: Sitcom

---

(3)

Introduce students to the half-hour TV format with special attention to structure, scene, character, and story in writing a Spec Sitcom Script.

- TVFT 5222 - TV Spec: Drama

---

(3)

Introduce students to the hour-long TV format with special attention to structure, scene, character, and story in writing a Spec Drama Script.

- TVFT 5225 - Writer's Workshop: Playwriting

---

(3)

This course will focus on the development of an original full-length play, either realistic, non-realistic, documentary or dramatization of fiction.

- TVFT 5226 - Writer's Workshop: Pilot

---

(3)

Prerequisites: TVFT 5121 and TVFT 5222 Students will develop an original TV Pilot, developing character bios, pitches, beat sheet, and outline that will culminate in an original television sitcom or drama.

- TVFT 5227 - Writer's Workshop: Feature

---

(3)

Prerequisites: TVFT 5105, 5115, 5121 Application of story and character development for a feature-length story and the completion of its screenplay (90 to 120 pages). Not repeatable.

- TVFT 5244 - Stage Combat

---

(2)

Prerequisites: TVFT 5141, 5142, 5143, 5151, and 5152 Stage combat techniques, including non-contact and contact, incorporated into dramatic structure and intention. Activity 6 hours

- TVFT 5253 - Voice III

---

(2)

Prerequisite: TVFT 5152 Voice II Speech and Dialects for the performer. This course is will continue to expand the performer's voice by introducing International Phonetic Alphabet (IPA), General American pronunciation and skills of speech and building a framework for stage dialects/ accents acquisition. This course utilizes the Knight-Thompson Speechwork® and other speech techniques to expand awareness and practice of articulation and application to dialect learning. Activity 6 hours.

- TVFT 5263 - Acting Studio III

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(2)

Prerequisite: 5162 Acting Studio II. Continued development, honing and application of acting techniques in on-going investigation of personalization in monologue and scene work. Activity 6 hours.



- TVFT 5264 - Acting for the Stage

---

(3)

Prerequisite: TVFT 5162. A practical application of acting techniques in a simulated professional working environment designed to give the student the skills required to act in the professional theatre.

- TVFT 5265 - Acting for the Camera

---

(3)

A practical application of film acting techniques in a simulated professional working environment designed to give students the skills required to act and work with actors in the professional television and motion picture industries.

- TVFT 5280 - Cinematography/Lighting

---

(3)

Explores the visual art of cinematography and lighting. Activity 6 hours

- TVFT 5281 - Sound Recording/Design

---

(3)

How sound functions in film and television. Students will use microphones and recording devices to capture the sound for these mediums and develop concepts for sound and the editing process. Activity 6 hours

- TVFT 5282 - Editing/Graphics/Effects

---

(3)

Instruction and application of digital post-production technologies and workflows. Lecture 2 hours, activity 2 hours.

- TVFT 5290 - Directing: Film/TV

---

(3)

This course focuses on the aesthetic, practical concerns, operational process, human and technological needs of professional single camera film/video production and multiple camera television. Activity 6 hours

- TVFT 5295 - Motion Picture Production

---

(3)

Prerequisites: TVFT 5290 Prepares students to work in the collaborative environment of the professional filmmaker and through the phases of preproduction, production and postproduction. Activity 6 hours

- TVFT 5300 - Performance Activity

---

(2)

Prerequisite: Instructor consent required. Detailed work as a performer on a major production with rehearsal and performance requirements in addition to activity hours. Enrollment required for performance participation. May be

repeated to maximum of 10 units.

- **TVFT 5364 - Acting Studio IV**

---

(2)

Prerequisite: TVFT 5263. Continued development, honing and application of acting techniques applied to professional preparation for auditions, interviews and professional presentations. Activity 6 hours

- **TVFT 5366 - Acting: Classical**

---

(2)

Prerequisites: TVFT 5143, 5253, 5263. Principles and techniques of classical acting. Grounding in textual analysis through initial exposure to classical texts in performance. Additional performance hours required. Activity 6 hours

- **TVFT 5400 - Strategies and Safety in Grip and Electric Operations**

---

(3)

The course explores effective strategies for the proper, safe and creative operations for television and motion picture applications of industry professional grip and lighting equipment.

- **TVFT 5420 - Viewpoints**

---

(2)

Pre-Requisites: TVFT 5141, 5142, 5143, 5151, 5152, 5161, 5162, 5253, 5263. An introduction to the improvisational process of Viewpoints, a physically-based process for the performer to interact with the essential elements of performance: Space, Time, Shape, Motion (kinesthetic), Emotion and Story. Activity 6 hours.

- **TVFT 5450 - Scene Writing Lab**

---

(1)

The course will explore the art of writing scenes. Students will engage the study of scene through the practice, the critical screenings of films and theatrical scenes, staged scene clinics, and dramatic enactments.

- **TVFT 5480 - Characters and Dialogue**

---

(3)

Study and practice of character development and dialogue for film and television.

- **TVFT 5500 - TVFT Seminar**

---

(1)

Film, Television, and Theatre Seminar that supports student work on their project and project report. May be repeated to a maximum of 3 units.

- TVFT 5520 - Genre Writing

---

(3)

Focus on the history, structure, and development of a selected genre of narrative screenwriting including, but not limited to, Romantic Comedy, Comedy, Action, Thriller, and Horror.

- TVFT 5530 - Pitching Workshop

---

(2)

Developing and maintaining the skills of pitching film ideas to agents, managers, producers, directors, and other industry representatives.

- TVFT 5540 - Selected Topics

---

(3)

Intensive study of selected topics in the Master of Fine Arts: Television, Film and Theatre. May be repeated to maximum of 8 units

- TVFT 5590 - Entertainment Industry Practices

---

**(also listed as COMS 5590)**

(3)

This course acquaints the student with the structure in the television, film and theatre Industries as well as the positions and responsibilities of those involved in development and production.

- TVFT 5810 - Entertainment Arts Internship

---

(1-2)

Practical work in professional film, television, and theatre settings under supervision of professionals in internships; not available to non-program students. Includes career counseling, resume workshops, practice interviewing networking. 200 internship hours are required, may be fulfilled in a single quarter or over two quarters at 100 internship hours per 1 unit.

- TVFT 5970 - Graduate Research

---

(3)

Independent, individual research under guidance of the faculty.

- TVFT 5980 - Directed Study

---

(1-3)

Independent study of advanced topics in the field (performance, production, dramatic writing); regular conferences with sponsor. May be repeated to maximum of 6 units.

- TVFT 5990 - Culmination Project

---

(3)

Culminating project is required of all students in the Television, Film and Theatre MFA program. Students must choose to produce a theatre, multi-cam studio television or film style production.

- **TVFT 9000 - Thesis Research**

---

(0)

Courses in the 9000 series (TVFT 9000) are open only to graduate students who have previously enrolled in all allowable research units (5970) and are not enrolled in any other credit-bearing courses or thesis or project units (5990), but will use University facilities or consult with faculty.

### **Theatre Arts (Undergraduate)**

*All 4000-level courses in Theatre Arts (TA) may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: TA 4990.*

- **TA 1300 - Production Participation**

---

(1-2)

Participation in production and/or technical areas of Music, Theatre and Dance including, but not limited to scenic, lighting, costumes, audio, or props as assigned. May be repeated to a maximum of 6 units.

- **TA 1500 - Theatre Analysis**

---

(3)

Introduction to dramatic structures and styles; evaluation and appreciation of plays in text and performance; foundational knowledge including theatrical structures and personnel positions, types of production and basic theatrical vocabulary.

- **TA 1610 - Drafting for the Theatre**

---

(3)

Prerequisites: TA 1310 & TA 1320. Basics of theatrical drafting techniques and CAD software using Vectorworks. Additional hours required.

- **TA 1620 - History of Styles**

---

(3)

Survey of the major decorative styles from Ancient Egypt to the present. Emphasis placed on history of architecture, costume, and interior décor in relation to theatrical design

- **TA 2430 - Vocal Techniques for the Stage**

---

(3)

Prerequisite: TA 1420 and one semester dance technique (Performance option), 2 semesters dance technique (Dance option) or instructor consent. Voice training for the performer; connecting sounds and language to thoughts and feelings via movement. Through Linklater Technique and Roy Hart, students discover the power of the human voice.

- TA 4370 - Introduction to 3D Printing

---

(3)

Prerequisites: TA 1310 or instructor consent. Theory and practice of basic principles of 3D printing for theatrical use; basics of FDM manufacturing; sourcing and creating 3D models; creation and realization of original work. Additional hours required.

- TA 4430 - The Art of Comedy

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B, and at least one course each from Blocks C and D. Class looks at the techniques and approaches that make people laugh on stage, and in television/film. From simple joke telling to live and filmed comedy.

- TA 4440 - Acting for Camera

---

(3)

Prerequisites: TA 1420, 3410 or instructor consent. Prepares students for the particular demands of acting in front of the camera and the transition from stage to cameras. Techniques of blocking, text analysis, cold-reading, vocabulary and camera shots.

- TA 4762 - Community-Based Theatre

---

(3)

Prerequisite: Upper-Division standing or graduate student. The study and practice of community-based theatre for engaging diverse communities.

- TA 4810 - Devised Theatre

---

(3)

Pre-requisites: Senior standing and instructor consent. This course focuses on creating original theatrical work based on non-traditional material via collective collaboration and integration of text, movement, sound and design.

- TA 5790 - Seminar: Case Studies in Drama Therapy

---

(3)

Prerequisites: TA 4780, TA 4790. Advanced theories and techniques of drama therapy applied to individual casework. May be repeated to maximum of 8 units.

#### **Theatre Arts (Graduate)**

*All 4000-level courses in Theatre Arts (TA) may be applied toward master's degree requirements except the following, subject to limits established by the department and approval of the graduate adviser: TA 4990.*

*Classified graduate standing is required for admission to all 5000-level courses.*

- TA 4761 - Playwriting: Adaptation

---

(3)

Prerequisite: TA 4760 or graduate standing. This course focuses on the art of theatrical adaptation of books, stories and music.

- **TA 5970 - Graduate Studies**

---

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC

- **TA 9000 - Graduate Studies**

---

(0)

Prerequisite: TA 5970. Courses in the 9000 series are open only to graduate students who have previously enrolled in thesis or project units (5990 and 5991), but will use University facilities or consult with faculty.

### **University Courses (Undergraduate)**

*NOTE: Courses that are designated University (UNIV) frequently are interdisciplinary in nature. Some are limited to certain categories of students. Cooperative Education (UNIV 2980, 3980, and 4980) and CPEL (UNIV 2950) courses appear in this catalog under the title UNIV, but appear in the Schedule of Classes with the course abbreviations used by the various departments, divisions and schools that offer them.*

- **UNIV 0540 - Special Topics**

---

(1-3)

Prerequisite: Varies with topic. Topics of Special interest to wide university audience as announced in schedule of Classes. May be repeated for credit as topic changes. No Credit toward baccalaureate. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes. No credit toward baccalaureate.

- **UNIV 0600 - Study Group**

---

(1)

Corequisite: Associated course. Lecture methods and study skills development including reading comprehension, critical analysis of course content, time and task management, note taking, and test preparation. Lecture methods and study skills development including reading comprehension, critical analysis of course content, time and task management, notetaking, and test preparation.

- **UNIV 1010 - Introduction to Higher Education**

---

(3)

Orientation to thinking strategies applicable to lifelong problem solving in academic, social, and personal life. Introduces critical thinking, information literacy, university resources, and academic planning for student success. Includes a Civic Learning and/or Community Engagement Experience. Graded ABC/NC.

**GE IHE; E**

- **UNIV 1540 - Special Topics**

---

(1-3)

Prerequisite: Varies with topic. Topics of Special interest to wide university audience as announced in schedule of Classes. May be repeated for credit as topic changes. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 2540 - Special Topics**

---

(1-3)

Prerequisite: Varies with specific topic. Topics of special interest as announced in schedule of classes. Grades CR/NC. Topics of special interest as announced in Schedule of Classes. Graded CR/NC.

- **UNIV 2950 - Credit for Prior Experiential Learning**

---

(1-3)

Prerequisite: At least 30 semester units in residence but not more than 111 total units completed. Approval for registration must be obtained through University Undergraduate Studies office. Preparation of materials and portfolios documenting prior college-level learning acquired in nonacademic settings. Upon successful completion, 1-3 resident units will be awarded. In addition, 1-6 units for nongraded, nonresident credit may be awarded for prior learning. These units may be upper or lower division and may apply toward the major with major department approval.

- **UNIV 2980 - Preparation for Cooperative Education**

---

(2)

Prerequisite: Techniques of relating major to internship (work experience) through discipline-based research; documentation of transferable skills through resumes, interviews, and other reporting techniques appropriate to academic concentration; designed to enhance internship performance. Graded CR/NC. Techniques of relating major to internship (work experience) through discipline-based research; documentation of transferable skills through resumes, interviews, and other reporting techniques appropriate to academic concentration; designed to enhance internship performance. Graded CR/NC.

- **UNIV 3010 - Transition to CAL STATE LA for Undeclared Majors**

---

(2)

Prerequisite: Exploration of Skills and resources designed to help transfer students attain degree objectives. This course is specially designed for undergraduate transfer students who have not yet declared major and meets university requirements for an Introduction to Higher Education course for transfer students. Graded ABC/NC, NIS account required. Exploration of skills and resources designed to help transfer students attain degree objectives. This course is especially designed for undergraduate transfer students who have not yet declared a major and meets University requirements for an Introduction to Higher Education course for transfer students. Graded ABC/NC, NIS account required.

- **UNIV 3540 - Special Topics**

---

(1-3)

Prerequisite: Varies with Topic. Topics of special interest to wide University audience as announced in Schedule of Classes. May be repeated for credit as topic changes. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 3980 - Cooperative Education**

---

(1-3)

Prerequisites: Course appropriate to the work experience; Approval by major department Cooperative Education Coordinator. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; Combined units of 398 and 399 may not exceed 12. Graded CR/NC Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- **UNIV 3990 - Cooperative Education Honors**

---

(1-3)

In Addition to prerequisites for UNIV 3980, the prerequisites are UNIV 2980 and eligibility to participate in university or departmental honors program. Integration of Work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC. In addition to prerequisites for UNIV 398, the prerequisites are UNIV 298 and eligibility to participate in a university or departmental honors program. Integration of work experience with academic program, individually planned through coordinator. Minimum of 10 hours per week required for each unit. May be repeated to maximum of 12 units; combined units of 398 and 399 may not exceed 12. Graded CR/NC.

- **UNIV 4000 - Writing Proficiency Examination**

---

(0)

Prerequisites: Satisfactory completion of A3 or ENGL 2030. See Upper Division Writing Requirements in the Undergraduate Studies: General Information Chapter.

- **UNIV 4010 - Writing Proficiency**

---

(3)

Prerequisites: Satisfactory completion of A3. Development of a writing portfolio required to satisfy Graduation Writing Assessment Requirement (GWAR)/WPE. Instruction to assist student in achieving satisfactory levels of writing performance. Graded CR/NC.

- **UNIV 4540 - Special Topics**

---

(1-3)

Prerequisite: Varies with topic. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes. Topics of special interest to wide university audience as announced in Schedule of Classes. May be repeated for credit as topic changes.

- **UNIV 4980 - Advanced Cooperative Education**

---

(1-3)

Prerequisite: Completion of senior level courses appropriate to experience; Cooperative Education coordinator. Participation in work experience integrated with academic program experience integrated with academic program; assignments arranged individually in advance through coordinator. Cooperative Education coordinator. Participation in work experience integrated with academic program; assignments arranged individually in advance through coordinator.



Minimum of 10 hours per week required for each unit. Students in departments with graduate Cooperative Education programs may apply maximum of 4 units toward graduate degree program. Graded CR/NC.

- **UNIV 4990 - Undergraduate Directed Studies**

---

(1-3)

Prerequisite: Consent of an instructor to act as sponsor. See adviser for information.

#### **University Graduate Courses**

- **UNIV 5960 - Graduate Studies**

---

See the Comprehensive Examination in the requirements for the Master's Degree section of this chapter.

- **UNIV 5970 - Graduate Studies**

---

(0)

Prerequisites: Instructor consent to act as sponsor and approval of Associate Dean. Independent research under guidance of faculty member. Acceptable final written report required. May be repeated for credit with approval of instructor and Associate Dean. Graded CR/NC.

- **UNIV 5990 - Thesis or Project for Interdisciplinary Studies Master's**

---

(1-6)

Prerequisites: Advancement to candidacy, formal approval of topic by advisory committee. Independent study resulting in a thesis or project. Oral examination on thesis required. Open to Interdisciplinary Studies Master's students only.

- **UNIV 9000 - Thesis Research**

---

(0)

Prerequisite: Open only to graduate students. Courses in the 9000 series (UNIV 9000) are open only to graduate students who have previously enrolled in all allowable research units (5970) and are not enrolled in any other credit-bearing courses or thesis or project units (5990), but will use University facilities or consult with faculty.

#### **Urban Analysis (Undergraduate)**

- **URBA 1800 - The Urban World**

---

(3)

Worldwide issues relating to the physical, technological, economic, political, historical, sociological and environmental characteristics of urban areas.

**GE D**

#### **Urban Learning (Undergraduate)**

- EDFN 4130 - Introduction to Psychological Foundations of Education

---

(2)

Introduction to psychological research, theory, and practices in human development related to learning, motivation, and metacognition in educational settings.

- ULRN 4110 - Learning and Critical Thinking

---

(3)

Perspectives and practices to integrate inquiry, problem-solving, critical thinking, metacognition, and self-regulation into urban learning settings emphasizing multiple perspectives and different points of view.

- ULRN 4120 - Contemporary Issues in Knowledge, Culture and Learning

---

(3)

Theoretical approaches to understanding the construction of knowledge in and through culture. Contemporary Issues and problems in a diverse learning community.

- ULRN 4130 - Literacy and the Urban Community

---

(3)

Prerequisite: California Commission on Teacher Credentialing Certificate of Clearance or California Child Development permit. Basic concepts of emerging literacy in the urban community: family literacy, language acquisition, phonemic awareness and techniques for integrating early reading, writing, listening, and speaking skills. Field site application through communitybased experiences and service learning. Lecture 2 hours, activity 2 hours.

- ULRN 4140 - Integrated STEM Project-Based Learning in Urban Environments

---

(3)

Prerequisite: Completion of GE A4 requirement. Identification and analysis of STEM-based problems in urban environment. Development of functional and aesthetic design processes, planning, development and evaluation of integrated solutions. Campus and field-based explorations, critical STEM literacy. Lecture 2 hours, activity 1 hour.

- ULRN 4150 - Assessment and Learning

---

(3)

Basic principles and applications of educational assessment. Learning goals and objectives, formal and informal measures, grading systems, accommodations and modifications, ethics and fairness in assessment, data-driven instruction, communicating results.

- ULRN 4190 - Senior Seminar in Urban Schooling: Reading Writing, and Reflection

---

(3)

Capstone course for students in the Urban Learning major. Reading, writing, discussion and reflection on topics and issues relating to teaching and learning in urban schools.

**(wi)**

## Women's, Genders, and Sexualities Studies (Undergraduate)

All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser

- **WGSS 1010 - Gender and Sexuality in College**

---

(3)

Explores issues of racial, gender, and sexual diversity in the college environment. Emphasis on skill building for educational success, lifelong learning, access to resources, and civic engagement; open to all majors.

**GE IHE E (d) (cl)**

- **WGSS 2000 - Introduction to Women's, Gender, and Sexuality Studies**

---

(3)

Survey of key concepts in the field and exploration of the concepts of sex, gender, gender identity, and sexuality and their intersections with race, class, ability, and immigration status.

**GE D (d)**

- **WGSS 2030 - Gender and Race in the United States**

---

(3)

Examines the intersection of race and gender in lived experience, and in relation to ethnicity, class, gender, sexuality, with emphasis on women of color in the U.S., including Chicanas/Latinas and African-American, Asian and Pacific Islander Americans, Native-American, and Arab American women.

**GE D (re) wi**

- **WGSS 2200 - Chicanas and Latinas in Contemporary US Society**

---

**Also listed as CLS 2200**

(3)

Surveys the history of Chicanas and Latinas in the U.S. with an emphasis on how gender, sexuality, race, class, and migration intersect to shape experiences.

**GE D (d)**

- **WGSS 3000 - Theories in Women's, Gender, and Sexuality Studies**

---

(3)

Prerequisite: WGSS 2000 or Junior standing. Major theoretical concepts and frameworks in the interdisciplinary study of gender and sexuality.

- **WGSS 3050 - Black Feminism and Womanism**

---

**(Also listed as PAS 3050)**

(3)

Examines ideas associated with Black feminism and womanism - social foundations of Black women's consciousness, Black male-female relations and engagement with other feminisms, both mainstream and amongst women of color.

**GE UD C (re)**

• **WGSS 3100 - Critical Masculinities**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Reviews the social and cultural production of masculinity, relation to bodies and sexual/gender identities, and intersection with other categories of difference including race, class, ability, sexuality, and sexed bodies.

**GE UD D (d)**

• **WGSS 3150 - Gender, Sexuality, and U. S. Law**

(3)

Study of the intersection between gender, sexuality, and U.S. law. Survey of historical and contemporary legal issues as they relate to gender identity, sexual orientation, discrimination, and rights.

**GE UD D (d) (cl)**

• **WGSS 3200 - Disability Studies**

**Also listed as LBS 3200 Disability Studies.**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Histories of disability struggles and representation, as well as disability justice critiques of “ableism” and its intersections with race, class, gender, and sexuality.

**GE UD D (d)**



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|--|--|--|--|---|---|
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# University Catalog

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### Women's, Genders, and Sexualities Studies (Undergraduate)

*All 4000-level courses may be applied toward master's degree requirements, subject to limits established by the department and approval of the graduate adviser*

- **WGSS 3400 - LGBT Political History in the US**

**Also listed as HIST 3405 LGBT Political History in the US**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. A survey of lesbian, gay, bisexual, and transgender communities, political struggles, and aesthetic expressions in the United States.

**GE UD D (d) (cI)**

- **WGSS 3500 - Contemporary Feminist Movements**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from Block B and at least one course each from Blocks C and D. Survey of feminist and related gender and sexuality social movements in the contemporary United States. Critical analysis of feminist identities and issues, and their connections to other social justice struggles.

**GE UD D; (d)**

- **WGSS 3650 - LGBTQ Cultural Production**

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course

each from lower division Blocks C and D. An introduction to literatures, films, fashions, visual arts, and other cultural materials produced by and about lesbian, gay, bisexual, transgender, and queer people.

**GE UD C (d)**

- **WGSS 3665 - Gender and Sexuality in Science Fiction**

**Also listed as LBS 3665: Gender and Sexuality in Science Fiction**

---

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Exploration of how concepts of gender and sexuality have been represented in science fiction.

**GE UD C (d) (wi)**

- **WGSS 3715 - Rethinking the 'Welfare Queen:' Race, Gender, and Poverty in the US**

**Also listed as PAS 3715: Rethinking the 'Welfare Queen:' Race, Gender, and Poverty in the US.**

---

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Interdisciplinary study of gender, race, poverty and welfare policy in the United States. Critical examination of the politics of poor motherhood, with a focus on African American and Latina women and their families.

**GE UD D (re) (cl)**

- **WGSS 3720 - Reproductive Justice**
- 

(3)

Prerequisites: Completion of Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Historical and contemporary contexts of reproductive justice as a social justice issue shaped by socio-political, cultural, physical, and economic influences and intersections with gender, gender identity, sexuality, race, ethnicity, socioeconomic class, immigration, age, and ability.

**GE UD D (d) (cl)**

- **WGSS 3860 - Gender in Science**
- 

(3)

Prerequisites: Completion of GE Blocks A and B4, an additional course from lower division Block B, and at least one course each from lower division Blocks C and D. Interdisciplinary exploration of scientific conceptions of gender and the effects of gender ideology on the history of science from the Scientific Revolution to the present.

**GE UD B**

- **WGSS 4000 - Knowledge, Power, and Research Justice in Women's, Gender, and Sexuality Studies**
- 

(3)

Prerequisites: WGSS 3000 and senior or graduate level standing. An overview of methods, the politics of knowledge and methodology, and development of research projects in Women's, Gender, and Sexuality studies.

- **WGSS 4050 - Queer Theory**

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(3)

Introduction to queer theory and its intersections with feminist, global, disability, and critical race theories.

- **WGSS 4100 - Chicana and Mexican Women Writers**

**(also listed as CHS 4130 and ML 4100)**

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(3)

Comparative study of contemporary Mexican and Chicana female writers with a focus on gender and sexuality issues, and their particular historical and cultural context.

- **WGSS 4130 - Issues in Feminist Philosophy**

**(Also listed as PHIL 4130)**

---

(3)

Prerequisite: One PHIL course. Central philosophical concepts and issues investigated from feminist perspectives for example, topics in epistemology, philosophy of science, ethics, and personal identity. May be repeated to a maximum of 8 units as topics vary.

- **WGSS 4160 - Feminist Theories and Contemporary Society**

**(Also listed as SOC 4160)**

---

(3)

Examination of the various feminist theories, all of which focus on some aspect of gender inequality. Implications of each theory and their applications to contemporary society are also discussed.

- **WGSS 4290 - Chicana Feminisms and Women's Movements**

**(Also listed as CHS 4290)**

---

(3)

Surveys the history of Chicana feminisms, 1960s to present and Chicana feminist thought. Comparative analysis with women of color in the US and in a global context.

- **WGSS 4480 - Sexualities and Gender Diversity in Global Perspective**

**(also listed as ANTH 4480)**

---

(3)

Prerequisite: ANTH 1500 or consent of the instructor. This course examines the diversity of forms of sexuality and their relationship to gender constructs around the world, with a focus on non-Western societies

- **WGSS 4540 - Special Topics in Women's Studies**

---

(3)

Topics of special interest in women's studies with variable content announced in Schedule of Classes. May be repeated to total of 8 units as subject matter changes.

- **WGSS 4650 - Gender, Sexuality, and Transnational Migration**

**(also listed as CHS 4650 and LAS 4650)**

---

(3)

Explores international migration through the lens of gender and sexuality. Interdisciplinary examination of perspectives on socio-economic and legal issues affecting the lives, identities, and narratives of transnational (im)migrants.

- **WGSS 4710 - Global Feminisms**

---

(3)

Examines the local, national, and global levels of women's movements and feminisms in various countries with an emphasis on the geopolitics of knowledge and power when considering women's issues in global contexts.

- **WGSS 4722 - Women, Gender, and Sexuality in Asian American Communities**

**Also listed as AAAS 4722**

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(3)

Examines the lives of Asian-origin women in the US; gender, culture, and racialization; the politics of gender in Asian American communities; media representations; and histories of migrations, work, and activism.

- **WGSS 4820 - Latin American Women's Movements**

**(also listed as CHS 4820 and LAS 4820)**

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(3)

Examines Latin American women's movements and feminist organizing in the U.S., Mexico, Central America, South America, and the Caribbean.

- **WGSS 4840 - Chicana/Latina Narratives and Community History**

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(3)

Students learn to conduct oral history interviews, and analyze the narratives told by Chicana and Latina women about the communities in which they have lived, worked, and participated.

- **WGSS 4990 - Undergraduate Directed Study**

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(3)

Prerequisite: Instructor consent and approval of Chair. May be repeated to total of 8 units as subject matter changes.

### **Women's, Genders, and Sexualities Studies (Graduate)**

Women's, Genders, and Sexualities Studies

- **WGSS 5000 - Integrative Seminar in Women's, Gender, and Sexuality Studies**

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(3)

Prerequisite: Graduate or Post-Baccalaureate standing. Theoretical and methodological issues in the analysis of



women, genders and sexualities and intersections with race/ethnicity, class, and nation. Applications of frameworks from these fields to research and to work with communities.

- **WGSS 5090 - Seminar in Queer Studies in Education**

**Also listed as EDFN 5090**

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(3)

This course explores issues of disruption and critical change in education through the lens of queer theory and reviews policies and practices that impact the experiences of LGBTQ individuals.

- **WGSS 5980 - Graduate Directed Study**

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(1-3)

Prerequisite: MA or Post-Baccalaureate standing, consent of a sponsoring instructor. Advanced study of selected topics in the field of Women's, Gender, and Sexuality Studies. May be repeated for a total of 6 units. Advanced study of selected topics in the field of Women's, Gender, and Sexuality Studies. May be repeated for a total of 6 units.

#### **Youth Agency Administration (Undergraduate)**

- **YAA 2900 - Introduction to Youth Agency Administration**

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(3)

History, philosophy, programs, and organization of the major national voluntary youth service agencies from a professional management perspective; role of the professional executive; the nature of volunteerism. Required field visits.

- **YAA 4670 - The Third Sector and Nonprofit Organizations**

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**(also listed as POLS 4670)**

(3)

Nature and scope of the third sector; starting and managing nonprofit organizations issues in nonprofit management including board development, managing programs, and fundraising.

- **YAA 4900 - Volunteer Management and Fund-Raising**

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(3)

Prerequisite: YAA 2900. Development of executive skills in managing volunteers and raising funds for youth-serving agencies; sources and techniques of financial development or community agencies; management of voluntary staff and directorial boards.

- **YAA 4950 - Directed Field Experience**

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(3)

Prerequisites: YAA 2900, YAA 4670, five or more YAA program interdisciplinary courses completed, consent of instructor and agency acceptance. Student placement to provide experience under supervision in a youth agency. Individual evaluative conferences. Graded CR/NC only. If student receives a "NC" grade, they may repeat the entire fieldwork/internship only once at another agency.

- [YAA 4990 - Undergraduate Directed Study](#)

(1-3)

Prerequisites: YAA 2900. Project selected in conference with sponsor; progress meetings held regularly and a final report submitted. May be repeated to maximum of 16 units.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources   |
|--|--|--|--|---|--|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |



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### The Catalog

The University's eCatalog/mobile catalog is produced in the Office of Undergraduate Studies, which has overall responsibility for structure, layout, and editing. Steven Krentzman is the [Webmaster](#).

### Changes in Rules and Policies

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication. Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the Chancellor or designee of the California State University, or by the President or designee of the campus. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the Chancellor of the California State University, or the President of the campus. The Trustees, the Chancellor, and the President are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the campus or the California State University. The relationship of students to the campus and the California State University is one governed by statute, rules, and policy adopted by the Legislature, the Trustees, the Chancellor, the Presidents and their duly authorized designees.

### Nondiscrimination Policy

#### Ethnicity, National Origin, Age, Genetic Information, Religion and Veteran Status

The California State University does not discriminate on the basis of Age, Genetic Information, Marital Status, Medical Condition, Nationality, Race or Ethnicity (including color and ancestry), Religion (or religious creed), and Veteran or Military Status in its programs and activities, including admission and access. Federal and state laws, including Title VI of the Civil Rights Act of 1964 and the California Equity in Higher Education Act, prohibit such discrimination. The Office for Equity and Diversity, located in Administration 606, has been designated to coordinate the efforts of Cal State LA to comply with all applicable federal and state laws prohibiting discrimination on these bases. has been designated to coordinate the efforts of Cal State LA to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning

compliance may be presented to the Office for Equity and Diversity listed above. CSU Executive Order 1097 Revised October 5, 2016 (<http://www.calstate.edu/EO/EO-1097-rev-10-5-16.pdf>) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made by students** against the CSU, a CSU employee, other CSU students or a third party.

## Disability

The California State University does not discriminate on the basis of Disability (physical and mental) in its programs and activities, including admission and access. Federal and state laws, including sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, prohibit such discrimination. *The Office for Equity, Diversity and Inclusion* has been designated to coordinate the efforts of *Cal State LA* to comply with all applicable federal and state laws prohibiting discrimination on the bases of disability. It is located in *Administration 606* and is open *Monday through Friday, 8:00 a.m. to 5:00 p.m., (323) 343 3040, or TDD: (323) 343-3670. If applicable you may contact the Office for Students with Disabilities at (323) 343-3140.* CSU Executive Order 1097 Revised October 5, 2016 (<http://www.calstate.edu/EO/EO-1097-rev-10-5-16.pdf>) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made by students** against the CSU, a CSU employee, other CSU students or a third party.

## Gender/Gender Identity/Gender Expression/Sexual Orientation

The California State University does not discriminate on the basis of gender (or sex), gender identity, (including transgender), gender expression or sexual orientation in its programs and activities, including admission and access. Federal and state laws, including Title IX of the Education Amendments of 1972, prohibit such discrimination. *The Office for Equity and Diversity*, located in *Administration 606*, has been designated to coordinate the efforts of *Cal State LA* to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to *Mariel Mulet* in *Administration 606*, *office hours are Monday through Friday, 8:00 a.m. to 5:00 p.m., (323) 343 3040, or TDD: (323) 343-3670.* The California State University is committed to providing equal opportunities to male and female CSU students in all campus programs, including intercollegiate athletics. Title IX of the Education Amendments of 1972 protects all people regardless of their gender or gender identity from sex discrimination, which includes sexual harassment and violence:

- **Gender discrimination** means an adverse act taken against an individual because of gender or sex (including sexual harassment, sexual misconduct, domestic violence, dating violence, and stalking) that is perpetrated against an individual on a basis prohibited by Title IX of the Education Amendments of 1972, 20 U.S.C. §1681 et seq., and its implementing regulations, 34 C.F.R. Part 106 (Title IX); California Education Code §66250 et seq., and/or California Government Code §11135.

- **Sexual harassment**, a form of sex discrimination, is unwelcome verbal, nonverbal or physical conduct of a sexual nature that includes, but is not limited to, sexual advances, requests for sexual favors, and any other conduct of a sexual nature where:

1. Submission to, or rejection of, the conduct is explicitly or implicitly used as the basis for any decision affecting a Complainant's academic status or progress, or access to benefits and services, honors, programs, or activities available at or through the University; **or**
2. The conduct is sufficiently severe, persistent or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as limiting his or her ability to participate in or benefit from the services, activities or opportunities offered by the University; **or**
3. The conduct is sufficiently severe, persistent or pervasive that its effect, whether or not intended, could be considered by a reasonable person in the shoes of the Complainant, and is in fact considered by the Complainant, as creating an intimidating, hostile or offensive environment.

Sexual Harassment could include being forced to engage in unwanted sexual contact as a condition of membership in a student organization; being subjected to video exploitation or a campaign of sexually explicit graffiti; or frequently being exposed to unwanted images of a sexual nature in a classroom that are unrelated to the coursework.

Sexual Harassment also includes acts of verbal, non-verbal or physical aggression, intimidation or hostility based on Gender or sex-stereotyping, even if those acts do not involve conduct of a sexual nature.

Executive Order 1097 covers unwelcome conduct of a sexual nature. While romantic, sexual, intimate, personal or social relationships between members of the University community may begin as consensual, they may evolve into situations that lead to Sexual Harassment or Sexual Misconduct, including Dating or Domestic Violence, or Stalking, subject to this policy.

Claiming that the conduct was not motivated by sexual desire is not a defense to a complaint of harassment based on

Gender.

• **Sexual misconduct:** All sexual activity between members of the University community must be based on affirmative consent. Engaging in any sexual activity without first obtaining affirmative consent to the specific activity is sexual misconduct, whether or not the conduct violates any civil or criminal law. Sexual activity includes, but is not limited to, kissing, touching intimate body parts, fondling, intercourse, penetration of any body part, and oral sex. It also includes any unwelcome physical acts, such as unwelcome sexual touching, sexual assault, sexual battery, rape, and dating violence. When based on gender, domestic violence or stalking also constitutes sexual misconduct. Sexual misconduct may include using physical force, violence, threat or intimidation, ignoring the objections of the other person, causing the other person's intoxication or incapacitation through the use of drugs or alcohol, or taking advantage of the other person's incapacitation (including voluntary intoxication) to engage in sexual activity. Men as well as women can be victims of these forms of sexual misconduct. Sexual activity with a minor is never consensual when the complainant is under 18 years old, because the minor is considered incapable of giving consent..

• **Sexual Assault** is a form of sexual violence and is an attempt, coupled with the ability, to commit a violent injury on the person of another because of that person's gender or sex.

• **Sexual Battery** is a form of sexual violence and is any willful and unlawful use of force or violence upon the person of another because of that person's gender or sex.

• **Rape** is a form of sexual violence and is non-consensual sexual intercourse that may also involve the use of threat of force, violence, or immediate and unlawful bodily injury or threats of future retaliation and duress. Any sexual penetration, however slight, is sufficient to constitute rape. Sexual acts including intercourse are considered non-consensual when a person is incapable of giving consent because s/he is incapacitated from alcohol and/or drugs, is under 18 years old, or if a mental disorder or developmental or physical disability renders the person incapable of giving consent. The accused's relationship to the person (such as family member, spouse, friend, acquaintance or stranger) is irrelevant. (See complete definition of consent below.)

• **Acquaintance Rape** is a form of sexual violence committed by an individual known to the victim. This includes a person the victim may have just met; i.e., at a party, introduced through a friend, or on a social networking website.

**Affirmative consent** means an informed, affirmative, conscious, voluntary, and mutual agreement to engage in sexual activity. It is the responsibility of each person involved in the sexual activity to ensure that s/he has the affirmative consent of the other participant(s) to engage in the sexual activity. Lack of protest or resistance does not mean consent nor does silence mean consent. Affirmative consent must be voluntary, and given without coercion, force, threats or intimidation.

- The existence of a dating or social relationship between those involved, or the fact of past sexual activities between them, should never by itself be assumed to be an indicator of affirmative consent. A request for someone to use a condom or birth control does not, in and of itself, constitute affirmative consent.
- Affirmative consent can be withdrawn or revoked. Consent to one form of sexual activity (or sexual act) does not constitute consent to other forms of sexual activity. Consent given to sexual activity on one occasion does not constitute consent on another occasion. There must always be mutual and affirmative consent to engage in sexual activity. Consent must be ongoing throughout a sexual activity and can be revoked at any time, including after penetration. Once consent is withdrawn or revoked, the sexual activity must stop immediately.
- A person who is incapacitated cannot give affirmative consent. A person is unable to consent when s/he is asleep, unconscious or is incapacitated due to the influence of drugs, alcohol, or medication so that s/he could not understand the fact, nature or extent of the sexual activity. A person is incapacitated if s/he lacks the physical and/or mental ability to make informed, rational decisions. Whether an intoxicated person (as a result of using alcohol or other drugs) is incapacitated depends on the extent to which the alcohol or other drugs impact the person's decision-making capacity, awareness of consequences, and ability to make fully informed judgments. A person's own intoxication or incapacitation from drugs or alcohol does not diminish that person's responsibility to obtain affirmative consent before engaging in sexual activity.
- A person with a medical or mental disability may also lack the capacity to give consent.
- Sexual activity with a minor (a person under 18 years old) is not consensual, because a minor is considered incapable of giving legal consent due to age.
- It shall not be a valid excuse that a person affirmatively consented to the sexual activity if the respondent knew or reasonably should have known that the person was unable to consent to the sexual activity under any of the following circumstances:
  - The person was asleep or unconscious;
  - The person was incapacitated due to the influence of drugs, alcohol or medication, so that the person could

- not understand the fact, nature or extent of the sexual activity;
- o The person was unable to communicate due to a mental or physical condition.
- It shall not be a valid excuse that the respondent believed that the person consented to the sexual activity under either of the following circumstances:
  - The respondent's belief in affirmative consent arose from the intoxication or recklessness of the respondent;
  - The respondent did not take reasonable steps, in the circumstances known to the respondent at the time, to ascertain whether the person affirmatively consented.

**Consensual relationships:** Consensual relationship means a sexual or romantic relationship between two persons who voluntarily enter into such a relationship. While sexual and/or romantic relationships between members of the University community may begin as consensual, they may evolve into situations that lead to discrimination, harassment, retaliation, sexual misconduct, dating or domestic violence, or stalking.

- A University employee shall not enter into a consensual relationship with a student or employee over whom s/he exercises direct or otherwise significant academic, administrative, supervisory, evaluative, counseling, or extracurricular authority. In the event such a relationship already exists, each campus shall develop a procedure to reassign such authority to avoid violations of policy.
- This prohibition does not limit the right of an employee to make a recommendation on the personnel matters concerning a family or household member where the right to make recommendations on such personnel matters is explicitly provided for in the applicable collective bargaining agreement or MPP/confidential personnel plan.
- **Domestic Violence** is abuse committed against someone who is a current or former spouse, current or former cohabitant, someone with whom the abuser has a child, someone with whom the abuser has or had a dating or engagement relationship, or a person similarly situated under California domestic or family violence law. Cohabitant means two unrelated persons living together for a substantial period of time, resulting in some permanency of relationship. It does not include roommates who do not have a romantic, intimate, or sexual relationship. Factors that may determine whether persons are cohabiting include, but are not limited to (1) sexual relations between the parties while sharing the same living quarters, (2) sharing of income or expenses, (3) joint use or ownership of property, (4) whether the parties hold themselves out as husband and wife, (5) the continuity of the relationship, and (6) the length of the relationship. For purposes of this definition, "abuse" means intentionally or recklessly causing or attempting to cause bodily injury or placing another person in reasonable apprehension of imminent serious bodily injury to himself or herself, or another. Abuse does not include non-physical, emotional distress or injury.
- **Dating Violence** is abuse committed by a person who is or has been in a social or dating relationship of a romantic or intimate nature with the victim. This may include someone the victim just met; i.e., at a party, introduced through a friend, or on a social networking website. For purposes of this definition, "abuse" means intentionally or recklessly causing or attempting to cause bodily injury or placing another person in reasonable apprehension of imminent serious bodily injury to himself or herself, or another. Abuse does not include non-physical, emotional distress or injury.
- **Stalking** means a repeated course of conduct directed at a specific person that would cause a reasonable person to fear for his/her or others' safety or to suffer substantial emotional distress. For purposes of this definition:
  - Course of conduct means two or more acts, including but not limited to, acts in which the stalker directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveys, threatens, or communicates to or about a person, or interferes with a person's property;
  - Reasonable person means a reasonable person under similar circumstances and with the same protected status as the complainant;
  - Substantial emotional distress means significant mental suffering or anguish that may, but does not necessarily, require medical or other professional treatment or counseling.
- See further information in *Cal State LA* sexual violence prevention and education statement, Title IX Notice of Nondiscrimination (which includes facts and myths about sexual violence), and Victim's Rights and Options Notice, at [The Office for Equity, Diversity and Inclusion](#).

## Whom to Contact If You Have Complaints, Questions or Concerns

Title IX requires the university to designate a Title IX Coordinator to monitor and oversee overall Title IX compliance. Your campus Title IX Coordinator is available to explain and discuss your right to file a criminal complaint (for example, in cases of sexual assault and violence); the university's complaint process, including the investigation process; how confidentiality is handled; available resources, both on and off campus; and other related matters. ***If you are in the midst of an emergency, please call the police immediately by dialing 9-1-1.***

**Campus Title IX Coordinator:**

- Mariel Mulet
- [Mariel.Mulet@castatela.edu](mailto:Mariel.Mulet@castatela.edu)
- The Office for Equity, Diversity and Inclusion
- 323-343-3041
- M-F 8 a.m. to 5 p.m.

**University Police**

- Rick Wall, Chief of Police
- North End of Lot 1
- 323-343-3700 Phone / 323-221-6350 Fax

**U.S. Department of Education, Office for Civil Rights:**

- (800) 421-3481 or [ocr@ed.gov](mailto:ocr@ed.gov)

**See Also** [Appendix J - Statement of Student Rights and Responsibilities](#)

If you wish to fill out a complaint form online with the OCR, you may do so at:

<http://www2.ed.gov/about/offices/list/ocr/complaintintro.html>.

Title IX requires the university to adopt and publish complaint procedures that provide for prompt and equitable resolution of gender discrimination complaints, including sexual harassment and violence, as well as provide training, education and preventive measures related to sex discrimination.. CSU Executive Order 1097 (<http://www.calstate.edu/EO/EO-1097-rev-10-5-16.pdf>) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made by students** against the CSU, a CSU employee, other CSU students or a third party.

Except in the case of a privilege recognized under California law (examples of which include Evidence Code §§1014 (psychotherapist-patient); 1035.8 (sexual assault counselor-victim); and 1037.5 (domestic violence counselor-victim), any member of the University community who knows of or has reason to know of sexual discrimination allegations shall promptly inform the campus Title IX Coordinator. (See confidential reporting options outlined below.)

Regardless of whether an alleged victim of gender discrimination ultimately files a complaint, if the campus knows or has reason to know about possible gender discrimination, harassment or violence, it must review the matter to determine if an investigation is warranted. The campus must then take appropriate steps to eliminate any sex discrimination/harassment, prevent its recurrence, and remedy its effects.

**Safety of the Campus Community is Primary**

The University's primary concern is the safety of its campus community members. The use of alcohol or drugs never makes the victim at fault for gender discrimination, harassment or misconduct; therefore, victims should not be deterred from reporting incidents of sexual misconduct out of a concern that they might be disciplined for related violations of drug, alcohol or other university policies. Except in extreme circumstances, victims of sexual misconduct shall not be subject to discipline for related violations of the Student Conduct Code.

**Information Regarding Campus, Criminal and Civil Consequences of Committing Acts of Sexual Violence**

Individuals alleged to have committed sexual assault may face criminal prosecution by law enforcement and may incur penalties as a result of civil litigation. In addition, employees and students may face discipline at the university. Employees may face sanctions up to and including dismissal from employment, pursuant to established CSU policies and provisions of applicable collective bargaining unit agreements.

Students who are charged by the university with gender discrimination, harassment or violence will be subject to discipline, pursuant to the California State University Student Conduct Procedures (see Executive Order 1098 at <http://www.calstate.edu/EO/EO-1098.pdf> or any successor executive order) and will be subject to appropriate sanctions. In addition, during any investigation, the university may implement interim measures in order to maintain a safe and non-discriminatory educational environment. Such measures may include: immediate interim suspension from the university; a required move from university-owned or affiliated housing; adjustments to course schedule; and/or prohibition from contact with parties involved in the alleged incident.

**Confidentiality and Sexual Violence, Dating Violence, Domestic Violence and Stalking**

The University encourages victims of sexual misconduct, dating violence, domestic violence, or stalking (collectively sexual



misconduct) to talk to someone about what happened - so they can get the support they need, and so the University can respond appropriately.

### **Privileged and Confidential Communications**

**Physicians, Psychotherapists, Professional Counselors and Clergy** - Physicians, psychotherapists, professional, licensed counselors, and clergy who work or volunteer on or off campus, and who provide medical or mental health treatment or counseling (including those who act in that role under their supervision) may not report any information about an incident of sexual violence to anyone else at the University, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from physicians, psychotherapists, professional, licensed counselors, and clergy without triggering a University investigation that could reveal the victim's identity or the fact of the victim's disclosure. *However, see limited exceptions below regarding when health care practitioners must report to local law enforcement agencies. Health care practitioners should explain these limited exceptions to victims, if applicable.*

**Sexual Assault and Domestic Violence Counselors and Advocates** - Sexual assault and domestic violence counselors and advocates who work or volunteer on or off campus in sexual assault centers, victim advocacy offices, women's centers, and health centers (including all individuals who work or volunteer in these centers and offices, as well as non-professional counselors or advocates, and those who act in that role under their supervision) may talk to a victim without revealing any information about the victim and the incident of sexual violence to anyone else at the University, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from these counselors and advocates without triggering a University investigation that could reveal his/her identity or that a victim disclosed an incident to them. *However, see limited exceptions below regarding when sexual assault and domestic violence counselors and advocates must report to local law enforcement agencies. Counselors and advocates should explain these limited exceptions to victims, if applicable.*

The University will be unable to conduct an investigation into a particular incident or pursue disciplinary action against a perpetrator if a victim chooses to (1) speak only to a physician, professional counselor, clergy member, sexual assault counselor, domestic violence counselor or advocate; and (2) maintain complete confidentiality. Even so, these individuals will assist victims in receiving other necessary protection and support, such as victim advocacy, disability, medical/health or mental health services, or legal services, and will advise victims regarding their right to file a Title IX complaint with the University and a separate complaint with local or University police. If a victim insists on confidentiality, such professionals, counselors and advocates will likely not be able to assist the victim with: University academic support or accommodations; changes to University-based living or working schedules; or adjustments to course schedules. A victim who at first requests confidentiality may later decide to file a complaint with the University or report the incident to the police, and thus have the incident fully investigated. These counselors and advocates can provide victims with that assistance if requested by the victim. These counselors and advocates will also explain that Title IX includes protections against retaliation, and that the University will not only take steps to prevent retaliation when it knows or reasonably should know of possible retaliation, but will also take strong responsive action if it occurs.

**EXCEPTIONS:** Under California law, any health practitioner employed in a health facility, clinic, physician's office, or local or state public health department or clinic is required to make a report to local law enforcement if he or she provides medical services for a **physical condition** to a patient/victim who he or she knows or reasonably suspects is suffering from (1) a wound or physical injury inflicted by a firearm; or (2) any wound or other physical injury inflicted upon a victim where the injury is the result of assaultive or abusive conduct (including Sexual Violence, Domestic Violence, and Dating Violence). This exception does **not** apply to sexual assault and domestic violence counselors and advocates. Health care practitioners should explain this limited exception to victims, if applicable.

Additionally, under California law, **all** professionals described above (physicians, psychotherapists, professional counselors, clergy, and sexual assault and domestic violence counselors and advocates) are mandatory child abuse and neglect reporters, and are required to report incidents involving victims under 18 years of age to local law enforcement. These professionals will explain this limited exception to victims, if applicable.

Finally, some or all of these professionals may also have reporting obligations under California law to (1) local law enforcement in cases involving threats of immediate or imminent harm to self or others where disclosure of the information is necessary to prevent the threatened danger; or (2) to the court if compelled by court order or subpoena in a criminal proceeding related to the Sexual Violence incident. If applicable, these professionals will explain this limited exception to victims.

### **Reporting to University or Local Police**

If a victim reports to local or University Police about sexual violence, the police are required to notify victims that their names will become a matter of public record **unless confidentiality is requested**. If a victim requests that his/her identity be kept confidential, his/her name will not become a matter of public record and the police will not report the victim's identity to anyone

else at the University, including the Title IX Coordinator. University Police will, however, report the facts of the incident itself to the Title IX Coordinator being sure not to reveal to the Title IX Coordinator victim names/identities or compromise their own criminal investigation. The University is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the University will report the **type** of incident in the annual crime statistics report known as the Annual Security Report, victim names/identities will not be revealed.

### **Reporting to the Title IX Coordinator and Other University Employees**

Most University employees have a duty to report sexual violence incidents when they are on notice of it. When a victim tells the Title IX Coordinator or another University employee about a sexual violence incident, the victim has the right to expect the University to take immediate and appropriate steps to investigate what happened and to resolve the matter promptly and equitably. ***In all cases, the University strongly encourages victims to report sexual violence directly to the campus Title IX Coordinator.*** As detailed above in the Privileged and Confidential Communications section of this policy, all University employees **except** physicians, licensed counselors, sexual assault counselors and advocates, must report to the Title IX Coordinator all relevant details about any sexual violence incidents of which they become aware. The University will need to determine what happened - and will need to know the names of the victim(s) and the perpetrator(s), any witnesses, and any other relevant facts, including the date, time and specific location of the incident.

To the extent possible, information reported to the Title IX Coordinator or other University employees will be shared only with individuals responsible for handling the University's response to the incident. The University will protect the privacy of individuals involved in a sexual violence incident except as otherwise required by law or University policy. A Sexual Violence report may result in the gathering of extremely sensitive information about individuals in the campus community. While such information is considered confidential, University policy regarding access to public records and disclosure of personal information may require disclosure of certain information concerning a report of sexual violence. In such cases, efforts will be made to redact the records, as appropriate, in order to protect the victim's identity and privacy and the privacy of other involved individuals. Except as detailed in the section on Privileged and Confidential Communications above, no University employee, including the Title IX Coordinator, should disclose the victim's identity to the police without the victim's consent or unless the victim has also reported the incident to the police.

If a victim requests of the Title IX Coordinator or another University employee that his/her identity remain completely confidential, the Title IX Coordinator will explain that the University cannot always honor that request and guarantee complete confidentiality. If a victim wishes to remain confidential or request that no investigation be conducted or disciplinary action taken, the University must weigh that request against the University's obligation to provide a safe, non-discriminatory environment for all students, employees, and third parties, including the victim. Under those circumstances, the Title IX Coordinator will determine whether the victim's request for complete confidentiality and/or no investigation can be honored under the facts and circumstances of the particular case, including whether the University has a legal obligation to report the incident, conduct an investigation or take other appropriate steps. Without information about a victim's identity, the University's ability to meaningfully investigate the incident and pursue disciplinary action against the perpetrator may be severely limited. See Executive Order 1095 for further details ([www.calstate.edu/EO/EO-1095.pdf](http://www.calstate.edu/EO/EO-1095.pdf)).

### **Additional Resources**

- California State University, Los Angeles' sexual misconduct prevention and education statement, which includes facts and myths about sexual violence, at [http://www.calstatela.edu/univ/hrm/title\\_ix.php](http://www.calstatela.edu/univ/hrm/title_ix.php)

- U.S. Department of Education, regional office:

Office for Civil Rights  
50 United Nations Plaza  
San Francisco, CA 94102  
(415) 486-5555  
TDD (877) 521-2172

- U.S. Department of Education, national office:

Office for Civil Rights  
(800) 872-5327

- Know Your Rights about Title IX

<http://www2.ed.gov/about/offices/list/ocr/docs/title-ix-rights-201104.html>

California Coalition Against Sexual Assault (<http://calcasa.org/>)

1215 K. Street, Suite 1850  
Sacramento, CA 95814

(916) 446-2520

- Sexual Abuse Recovery Programs

- Domestic and Family Violence, Office of Justice Programs, United States Department of Justice
- National Institute of Justice: Intimate Partner Violence, Office of Justice Programs, United States Department of Justice
- National Domestic Violence Hotline: 1-800-799-SAFE (7233)
- Office of Violence against Women, United States Department of Justice
- Centers for Disease Control and Prevention: Intimate Partner Violence
- Defending Childhood, United States Department of Justice

*(Additional information may be found in Procedures and Regulations.)*

## Campus Nonviolence Policy

California State University, Los Angeles is committed to creating and maintaining a working, learning, and social environment for all members of the University community that is free from violence.

Civility, understanding, and mutual respect toward all members of the University community are intrinsic to excellence in teaching and learning, to the existence of a safe and healthful workplace, and to maintenance of a campus culture and environment that serves the needs of its many constituencies. Threats of violence or acts of violence not only impact the individuals concerned, but also the mission of the University to foster higher education through open dialogue and the free exchange of ideas. The University prohibits and will take decisive action to eliminate verbal harassment, violent acts, threats of violence, or any other behavior which by intent, action, or outcome harms another person. Such conduct is subject to disciplinary action up to and including dismissal from employment, expulsion from the University, or civil or criminal prosecution as appropriate.

The University has no tolerance for violence against and by members of the University community. To fulfill this policy, the University will work to prevent violence from occurring and will ensure that federal and state laws, as well as University regulations prohibiting violence, are fully enforced. In determining whether conduct constitutes a credible threat or act of violence, the circumstances surrounding the conduct will be considered.

Established University faculty, staff, and student and Department of Public Safety procedures will serve as mechanisms for resolving situations of violence or threats of violence. Each allegation of violence or threat of violence will be taken seriously. Individuals are encouraged to report acts of violence, threats of violence, or any other behavior which by intent, act or outcome harms another person.

*Approved by the Cal State L.A. Academic Senate and  
President James M. Rosser - Summer 1996*

## Consensual Sexual Relations Between Faculty and Students

“Sexual relations between students and faculty members with whom they also have an academic or evaluative relationship are fraught with the potential for exploitation. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in an academic or evaluative role, make voluntary consent by the student suspect. Even when both parties initially have consented, the development of a sexual relationship renders both the faculty member and the institution vulnerable to possible later allegations of sexual harassment in light of the significant power differential that exists between faculty members and students.

“In their relationships with students, members of the faculty are expected to be aware of their professional responsibilities and avoid apparent or actual conflict of interest, favoritism, or bias.”\*

It is unprofessional conduct for a faculty member to engage in any sexual relationship with a student while he or she is enrolled in that faculty member's class, or if a faculty member is acting in any other capacity that may directly affect the student's academic career.

Failure to follow these standards will be grounds for investigation or disciplinary action.

\* *The language in quotation marks is from the Statement adopted by the 81st Annual Meeting of the A.A.U.P.*

## Programs Leading to Licensure and Credentialing

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or tax payer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees, or any associated costs, to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from Amy Wang, Director, International Office, (323) 343-3170.

## Privacy Rights of Students in Education Records

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code, Section 67100 et seq., set out requirements designed to protect the privacy of students concerning their records maintained by the campus. Specifically, the statute and regulations govern access to records maintained by the campus and the release of such records. Please see Appendix F in this catalog for details.

***Familiarity with the Institution's rules and regulations published in this catalog shall be the responsibility of each student and faculty member, and of those administrative offices concerned with academic matters.***

A h P H

| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
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| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |



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File Viewers



# University Catalog

## Catalog Search

S

Semester Catalog 2017-2018 ▼



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California State University, Los Angeles, founded in 1947 by the California State Legislature, is a comprehensive University that offers programs of higher education in an array of academic and professional fields. The University's six Colleges, along with the Honors College and College of Professional and Global Education, offer more than 60 academic schools, divisions and departments that draw students from all areas of the United States and the world. About one quarter of the campus' more than 27,000 students are engaged in postbaccalaureate study in programs leading to master's and doctoral degrees; teaching, service, and specialist credentials; certificates; and programs that lead to professional and academic advancement.

## The campus reflecting L.A.

At the heart of Los Angeles, Cal State LA sits upon just over 175 acres with views of Pasadena and the mountains to the north, the San Gabriel Valley to the east, downtown Los Angeles to the west, and the Palos Verdes Peninsula and Catalina Island to the south. The Cal State LA Transit Center makes the University highly accessible by trains and buses serving all regional communities.

The campus site was once one of California's 36 original adobes, built in 1776 by Franciscan missionaries and destroyed by fire in 1908. Around the 1850s, it was settled as part of a Spanish land grant by the family of Juan Batista Batz, a Basque rancher from northern Spain. Known as the Rancho Rosa Castilla, it was named, according to local historians, for the wild rose that grew near the home. The name of the main drive through the campus harkens back to this historic heritage.

## The Faculty

Members of the Cal State LA faculty are well recognized for their academic and teaching excellence, through high levels of scholarship, research, mentoring, and creative accomplishments. Virtually all of Cal State LA's faculty members have earned the highest degrees in their field, most often a Ph.D., from leading universities. Cal State LA professors have been acknowledged as outstanding professors within the CSU system and at the state and national levels and have received numerous grants and awards, including several Fulbright grants.

The greatest commitment of Cal State LA faculty is to teaching. Faculty members regularly involve students, including

undergraduates, in research and creative activities, mentoring them through academic and career advisement. Various campus programs and University committees, on which students also serve, further develop supportive ties between faculty and students.

## The Academic Year/Semester System

California State University, Los Angeles operates on a semester system, which is supplemented by fee-supported summer (10 weeks), winter (3 weeks), and May (3 weeks) intersessions. Normally, fall semester classes begin in early August and end in early December. Spring semester classes normally begin in late January and end in mid-May. Both the summer and May terms begin in late May. Students may maintain normal academic progress by full-time attendance during any two semesters of each year. Classes are scheduled weekdays from 7 a.m. until 10 p.m. and on Saturdays to serve the needs of both full-time and part-time students.

## The Wallis Annenberg Integrated Sciences Complex

The Wallis Annenberg Integrated Sciences Complex is home of the College of Natural and Social Sciences. This complex encompasses La Kretz Hall, Wing B, and the Lloyd Ferguson Courtyard. It includes classrooms, labs and offices for a number of science-based fields of research and study.

## The Corporation Yard

Key operations that ensure the University can function are housed in the two new structures that encompass Facilities Services; Facilities Planning and Construction; Risk Management and Environmental Health and Safety; Materials Management; and Shipping and Receiving.

## Housing/Golden Eagles Apartments

The Golden Eagles Apartments offer affordable graduate student living, with single rooms in suites and two-bedroom apartments. The Phase II Housing features a 150-seat dining facility.

### [Hydrogen Fueling and Research](#)

## Public Safety/University Police

Dedicated to the safety and protection of the entire campus community, the home of Public Safety/University Police, accredited by the Commission on Accreditation for Law Enforcement Agencies, is near the campus entrance and adjacent to The Welcome Center. The facility features all modern amenities and services needed to protect and serve a large campus community.

## Television, Film and Media Studies Center

The Television, Film and Media Studies Center, part of the College of Arts and Letters, offers students access to state-of-the-art technology, along with innovative creative opportunities. The site of the former Church of Jesus Christ of Latter Day Saints includes a two-level parking structure and a multi-use room, classrooms, conference rooms, and office space.

## University-Student Union and The Golden Eagle

The University-Student Union is home of the Alumni Center and Associated Students, Inc. (ASI) offices, along with clubs and organizations. The U-SU offers an expansive fitness center, theatre, computer lab and meeting rooms that connect to The Golden Eagle via a third-floor bridge. The Golden Eagle, home of the Pat Brown Institute and the College of Professional and Global Education, also includes a food court, campus catering services, the University Club, a bookstore and major conference facilities.

## Affiliations

Cal State LA holds membership in a number of national and regional organizations concerned with the advancement of higher education. They include the American Council on Education (ACE), the American Association of State Colleges and Universities (AASCU), the Association of American Colleges and Universities (AAC&U), the Association of American Colleges, Council of Graduate Schools, National Collegiate Honors Council, Western Association of Graduate Schools, and the Western Association of Schools and Colleges (WASC). Women graduates are qualified for membership in the American Association of University Women (AAUW).

# The California State University International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of the California State University (CSU). Since its inception in 1963, CSU International Programs (CSU IP) has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 20,000 CSU students have taken advantage of this unique study option.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time study at a host university or study center abroad. CSU IP serves the needs of students in over 100 designated academic majors. Affiliated with more than 50 recognized universities and institutions of higher education in 18 countries, CSU IP also offers a wide selection of study abroad destinations and learning environments.

|                     |  |
|---------------------|--|
| <b>Australia</b>    | Griffith University<br>Macquarie University<br>Queensland University of Technology<br>University of Queensland<br>University of Western Sydney<br>Victoria University  |
| <b>Canada</b>       | Concordia University (Montréal)  |
| <b>Chile</b>        | Pontificia Universidad Católica de Chile (Santiago)  |
| <b>China</b>        | Peking University (Beijing)  |
| <b>Denmark</b>      | Danish Institute for Study Abroad (international education affiliate of the University of Copenhagen)  |
| <b>France</b>       | Institut Catholique de Paris, Institut Supérieur d'Electronique de Paris, Université d'Aix-Marseille (Aix-en-Provence), Université de Cergy-Pontoise, Universités de Paris I, III, IV, VI, VII, VIII, X, XI, XII, XIII, Université Paris-Est Marne-la-Vallée, Université d'Evry Val d'Essonne, and Université de Versailles Saint-Quentin-en-Yvelines. |
| <b>Germany</b>      | University of Tübingen and a number of institutions of higher education in the Federal state of Baden-Württemberg  |
| <b>Ghana</b>        | University of Ghana, Legon   |
| <b>Israel</b>       | University of Haifa  |
| <b>Italy</b>        | CSU Florence Study Center, Accademia di Belle Arti Firenze   |
| <b>Japan</b>        | Waseda University (Tokyo)<br>University of Tsukuba   |
| <b>Mexico</b>       | Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro  |
| <b>South Africa</b> | Nelson Mandela Metropolitan University, Port Elizabeth   |
| <b>South Korea</b>  | Yonsei University  |
| <b>Spain</b>        | Universidad Complutense de Madrid<br>Universidad de Granada<br>Universidad de Jaén   |

|                       |   |
|-----------------------|---|
| <b>Sweden</b>         | Uppsala University  |
| <b>Taiwan</b>         | National Taiwan University (Taipei)   |
| <b>United Kingdom</b> | Bradford University<br>Bristol University<br>Hull University<br>Kingston University<br>Swansea University |

Students participating in CSU IP pay CSU tuition and program fees, and are responsible for airfare, accommodations, meals and other personal expenses. Financial aid, with the exception of Federal Work-Study, is available to qualified students and limited scholarship opportunities are also available. Most programs require students to have division standing at a CSU upper-campus by the time of departure; several programs are open to sophomores or Graduate students. California Community College transfer students are eligible to apply (to select programs) directly from their community colleges. Students must possess a current cumulative grade point average of 2.75 or 3.0, depending on the program, and must fulfill all coursework prerequisites. Additional program information and application instructions can be found on our website at [www.calstate.edu/ip](http://www.calstate.edu/ip).

For additional information and application materials contact the International Office, Student Affairs 115, (323) 343-3170; [www.calstatela.edu/international](http://www.calstatela.edu/international).

## Reserve Officer Training Programs

### *Air Force ROTC*

The Air Force Reserve Officer Training Corps (AFROTC) program's mission is to develop young men and women into quality leaders for the United States Air Force. Air Force ROTC prepares college students to become an Air Force Officer while also earning their college degree. Air Force ROTC also offers a variety of scholarships for students currently in college that can help relieve the financial burden of earning a college degree.

The program consists of a one hour academic course for first and second year students, and a three hour course for third and fourth year students. All students must also participate in a weekly one-hour physical training session and a two-hour leadership laboratory that facilitates the application of leadership theory.

Students attending Cal State LA can participate in Air Force ROTC at the University of California, Los Angeles (UCLA). For more information, please contact UCLA at (310) 825-1742. [www.afrotc.ucla.edu](http://www.afrotc.ucla.edu)

### *Army ROTC*

The Army Reserve Officers Training Corps (AROTC) program is available to qualified Cal State LA students via the University of California, Los Angeles (UCLA) program. Students must follow Cal State LA dual registration procedures. Students are encouraged to contact UCLA ROTC for instructions on how to cross-enroll into a UCLA course.

AROTC offers interested students an opportunity to enroll in courses focused on leadership, military tactics and law, orienteering, rappelling, first aid, and national security. Participants must be physically qualified and be full-time undergraduate or graduate students. Students may take one Army ROTC course per quarter at UCLA while pursuing a regular college degree at Cal State LA. Academic credits earned in the program normally may be counted as electives within regular college degree requirements. Completion of a regular degree and AROTC class requirements may lead to a commission as an officer in the U.S. Army, Army Reserve, or Army National Guard. Upon graduation, officers serve in supervisory-level positions in military intelligence, law, aviation, communications, engineering, finance, nursing, and more.

Two, three, and four-year AROTC scholarships cover (a) full tuition or housing up to \$10,000, (b) \$900 allowance for books and fees, and (c) a monthly allowance up to \$500 while the student is enrolled in school. Veterans are eligible to receive the monthly allowance as well as G.I. Bill benefits. U.S. citizenship is required for scholarship acceptance. Permanent resident students may participate in classroom and outdoor training but are ineligible for benefits until naturalized.

For further information, contact the Department of Military Science at UCLA, (310) 825-7381 or [armyrotc@milsci.ucla.edu](mailto:armyrotc@milsci.ucla.edu).

## Endowed Chairs

*Joseph A. Bailey II, M.D.*



## *Endowed Chair in American Communities*

The endowed chair in American Communities is housed in the College of Arts and Letters. Funding was made possible by private donations, the National Endowment for the Humanities, and a naming gift from Joseph A. Bailey II, M.D., a retired orthopedic surgeon. Sub-funds of the endowed chair are established for the study of the African American Experience and the Jewish American Experience.

The individual who is selected to fill this chair explores the question “What does it mean to be an American?” through teaching, research and the sharing of insights. The chair studies the process of transition from traditional cultures to American communities, examining the impact of that process on the evolution of American culture and values. The full range of humanities disciplines provide the lens through which to explore the ways that this identity is embodied or reflected in American cultural expressions.

## *Matthew J. Guglielmo Endowed Chair in Mental Retardation*

The Endowed Chair in Mental Retardation, housed in the Division of Special Education and Counseling, Charter College of Education, was established to honor Matthew J. Guglielmo, former vice president of The Broadway Department Stores, and was made possible by contributions from the The Broadway and friends of Mr. Guglielmo.

Mr. Guglielmo has dedicated a major part of his life to focusing public attention on problems of the developmentally disabled. The chair continues to support excellence in teaching, significant research in the study of mental retardation, and collaboration between Cal State L.A. and community agencies and institutions that serve mentally retarded persons and their families.

## *Northrop Grumman Engineering Endowed Chair*

The Northrop Grumman Engineering Endowed Chair was established in the College of Engineering, Computer Science, and Technology to bring distinguished engineers and engineering educators in the field of design and manufacturing to the College for a one- to two-year period. Funding was made possible through a generous lead gift from the Northrop Grumman Corporation and additional matching support received from other smaller companies throughout the Southern California business community.

The individual selected to fill the chair works with the College faculty and administration to provide leadership in improving the quality of Cal State L.A.’s engineering, computer sciences and technology programs, enhance the College’s manufacturing curriculum, and assist the College in fostering strong relationships with key contacts in industry and government to strengthen our research and external support

## **Consortia**

### *California Desert Studies Consortium*

The California Desert Studies Consortium consists of seven Southern California campuses of The California State University which, together with the National Park Service, operate the Desert Studies Center in the eastern Mojave Desert. Participating campuses include Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona, and San Bernardino. The purpose of the center is to provide a field facility in the Mojave Desert to develop desert studies educational programs and research activities.

Established in 1976, the center serves students in the areas of anthropology, astronomy, biology, engineering, geography, and geology and provides a substantial support base for environmental and ecological studies that have immediate implications for effective management of desert resources. The central location allows accessibility to all parts of the desert region. Lodging and laboratory/storage space are offered in support of field-oriented courses. The center also provides a site for independent study courses and research of desert phenomena by individual students and faculty.

The Desert Studies Consortium is administered by the CSU Fullerton campus. Cal State L.A.’s representatives to the consortium are Dr. Alan Muchlinski, associate dean, Graduate Studies and Research and Dr. Barry Hibbs, associate professor of Geological Sciences. For more information, contact Dr. Muchlinski at (323) 343-3820.

### *Ocean Studies Institute (OSI)*

Opportunities for undergraduate and graduate study in the coastal environment are provided by the Ocean Studies Institute (OSI), which comprises eight State University campuses: Dominguez Hills, Fullerton, Long Beach, Los Angeles, Northridge, Pomona, San Bernardino, and San Marcos. The OSI is administered by the Long Beach campus. The OSI operates out of the

docks and laboratory facilities of the Southern California Marine Institute (SCMI), Fish Harbor, Terminal Island in the Los Angeles - Long Beach Harbor.

The OSI participates in training managers and scientists and educating the public by coordinating and facilitating marine educational and research activities. In addition, the institute serves as an educational and research liaison among regions, states, and nations.

Seagoing research laboratory and instructional facilities are provided aboard the R. V. Yellowfin, an oceangoing research vessel. The Yellowfin is the property of the institute, and its use is scheduled through the office of the SCMI at (310) 519-3172.

Several courses within the departments of Biological Sciences, Geological Sciences, and Psychology and the College of Engineering, Computer Science, and Technology, among others, utilize the Yellowfin and other Consortium facilities. These courses are announced in the *Schedule of Classes* each quarter. In addition, the eight campuses offer an intensive course of study each fall at the USC Wrigley Institute for Environmental Studies on Santa Catalina Island. Courses cover topics in marine biology and ecology, specialty areas, and a culminating research experience. Credits apply to graduation at the student's home campus.

Cal State L.A.'s representatives to the consortium are Dr. James Henderson, Dean, College of Natural and Social Sciences, and Dr. Elizabeth Torres, professor of Biological Sciences. For additional information, contact Dr. Henderson at (323) 343-2000 or Dr. Torres at (323) 343-2179.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
|--|--|--|--|---|---|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |



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File Viewers



# University Catalog

## Catalog Search

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## Admissions

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## Admissions Procedures and Policies

Requirements for admission to California State University, Los Angeles are set in accordance with Title 5, Chapter 1, Subchapter 3, of the *California Code of Regulations*. Complete information is available at [www.calstate.edu/apply](http://www.calstate.edu/apply). Information is also available from Cal State L.A.'s Office of Admissions and Recruitment, Student Affairs 101, phone (323) 343-CSLA.

Electronic versions of CSU applications for admission are accessible at [www.calstate.edu/apply](http://www.calstate.edu/apply).

Applying online via [www.calstate.edu/apply](http://www.calstate.edu/apply) is expected unless electronic submission is impossible. An acknowledgement will be sent when an online application has been submitted. Application in "hard copy" form may be obtained online via [www.calstate.edu/apply](http://www.calstate.edu/apply) as a portable data format (PDF). Application forms (in PDF) may also be downloaded from [www.calstate.edu/sas/publications](http://www.calstate.edu/sas/publications). [Paper applications should be mailed to the campus admission office(s)]

Cal State L.A. admits high school graduates as first-time freshmen, those from community colleges and degree-granting colleges and universities as undergraduate transfer students, and those who hold acceptable baccalaureates as postbaccalaureate or graduate students.

### Importance of Filing Complete and Accurate Application for Admission Documents

Cal State L.A. advises prospective students that they must supply complete and accurate information on the application for admission, residency questionnaire, and financial aid forms. Further, applicants must, when requested, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, *California Code of Regulations*).

### Residence Determination

The determination about whether students qualify as legal residents of California for admission and tuition purposes is made by a review of information in the residency questionnaire that all applicants submit with their application for admission. For a summary statement of the principal rules and exceptions about residence determination, see [Appendix B - Determination of Residency for Nonresident Tuition Purposes](#).

### Intrasystem and Intersystem Enrollment Programs

Students enrolled at any CSU campus will have access to courses at other CSU campuses on a space available basis unless those campuses/programs are impacted or desired programs/admission categories are closed. This access is offered without students being required to be admitted formally to the host campus and sometimes without paying additional fees. Although

courses taken on any CSU campus will transfer to the student's home CSU campus as elective credit, students should consult their home campus academic advisors to determine how such courses may apply to their specific degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California community colleges. Additional information about these programs is available from the Office of Admissions and Recruitment at (323) 343-3901.

**CSU Fully Online Courses** - Matriculated students in good standing may request enrollment in one course per term, offered by a CSU host campus. Enrollment requests will be granted based on available space, as well as completion of any stated prerequisites. Credit earned at the host campus is electronically reported to the student's home campus to be included on the student's transcript at the home campus.

**CSU Visitor Enrollment** - matriculated students in good standing enrolled at one CSU campus may enroll on a space available basis at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

**Intersystem Cross Enrollment** - matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

## CSU Immunization Requirements

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment.

### ***Measles and Rubella***

All new and readmitted students must provide proof of full immunization against measles and rubella prior to enrollment.

### ***Hepatitis B***

All new students who will be 18 years of age or younger at the start of their first term at a CSU campus must provide proof of full immunization against Hepatitis B before enrolling. Full immunization against Hepatitis B consists of three timed doses of vaccine over a minimum 4 to 6 months period. If you need further details or have special circumstances, please consult the Student Health Center at (323) 343-3300. Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination. These are **not** admission requirements, but are required of students as conditions of enrollment in CSU.

### ***Meningococcal Disease Information***

Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination.

The above are not admission requirements, but are required of students as conditions of enrollment in CSU. (CSU Executive Order No. 803). These proofs of immunizations may be sent by mail, brought in person, or faxed to the Student Health Center at (323) 343-3301.

### ***Tuberculosis (TB)***

In addition to the above Measles/Rubella immunization requirement, all new and returning international students and Student Housing tenants must provide acceptable proof of a negative tuberculosis (TB) test or chest x-ray taken within the past year. The form is available in the Housing Services offices. Verification may be sent by mail, brought in person, or faxed to the Student Health Center at (323) 343- 3301. The Student Health Center mailing address is: Student Health Center, Cal State L.A., 5151 State University Drive, L.A., CA 90032-8411.

Measles/Rubella immunizations and TB tests and chest x-rays are offered at the Student Health Center. Call the MR/TB Information Line, (323) 343-3300, for complete instructions, clinic dates, and fees. For questions you may have regarding a registration hold, call directly to (323) 343-6547. The fax number is (323) 343-6557.

**Note: The CSU anticipates a policy change to the immunization requirements for the 2017-2018 academic year.**

### ***Reservation***

The University reserves the right to select its students and deny admission to the University or any of its programs as the University, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the University.

# Undergraduate Admission Requirements

## *Freshman Requirements*

Generally, applicants will qualify for consideration for first-time freshman admission if they meet the following requirements:

1. Have graduated from high school, have earned a Certificate of General Education Development (GED) or have passed the California High School Proficiency Examination (CHSPE); and
2. Have a qualifiable minimum eligibility index (see section on Appendix A - Eligibility Index ), and
3. Have completed with grades of C or better each of the courses in the comprehensive pattern of college preparatory subject requirements also known as the “a-g” pattern (see “Subject Requirements”).

### ***Eligibility Index***

The eligibility index is the combination of the high school grade point average and scores on either the ACT or the SAT. Grade point averages (GPA) are based on grades earned in courses taken during the final three years of high school. Included in calculation of GPA are grades earned in all college preparatory “a-g” subject requirements, and bonus points for approved honors courses. Up to eight semesters of honors courses taken in the last three years of high school, including up to two approved courses taken in the tenth grade can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

A CSU Eligibility Index can be calculated by multiplying your grade point average by 800 and adding your total score on the SAT exam (*mathematics and critical reading on the old SAT, or mathematics and Evidence-Based Reading and Writing on the new SAT*). For students who took the ACT, multiply the grade point average by 200 and add ten times the ACT composite score. Persons who are California high school graduates (or residents of California for tuition purposes) need a minimum index of 2900 using the SAT or 694 using the ACT. The Eligibility Index Table illustrates several combinations of required test scores and averages. The University has no current plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

**Note: The minimum Eligibility Index requirement for admission to the Fall 2018 term will increase to 2950 using the SAT.**

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3502 (SAT) or 842 (ACT). **Note: The minimum Eligibility Index requirement for admission to the Fall 2018 term will increase to 3950 using the SAT.** Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section. An applicant with a grade point average of 3.00 or above (3.61 for nonresidents) is not required to submit test scores. However, all applicants for admission are urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission. Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for freshman admission.

### ***Subject Requirements***

The California State University requires that first-time freshman applicants complete, with grades of C or better, a comprehensive pattern of college preparatory study totaling 15 units. A “unit” is one year of study in high school.

- 2 years of social science, including 1 year of U.S. history, or U.S. history and government.
- 4 years of English.
- 3 years of math (algebra, geometry and intermediate algebra).
- 2 years of laboratory science (1 biological and 1 physical, both must include laboratory instruction).
- 2 years in the same language foreign language (subject to waiver for applicants demonstrating equivalent competence).
- 1 year of visual and performing arts: art, dance, drama/theater, or music
- 1 year of electives: selected from English, advanced mathematics social science, history, laboratory science, foreign language, visual and performing arts or other courses approved and included on the UC/CSU “a-g” list.

### ***The California Promise***

The California Promise Program enables a specific number of campuses of the California State University (CSU) to establish pledge programs for entering first-time students who are both interested and able to complete baccalaureate degrees in 4-years. All campuses have established programs for students with Associate Degrees for Transfer from any California Community College to complete their baccalaureate degrees in 2-years. The program is limited to students who are residents of California.

Students who commit to enter either the 4-year or 2-year pledge will be given a priority registration appointment for each state-

supported enrollment period and will be provided with routine and thorough academic advisement. In order to remain in the program, students must meet with their advisors as prescribed, develop an enrollment plan, and complete 30 semester units of quarter equivalent within each academic year, including summer. Participating campuses may stipulate other important requirements as well. Interested students entering the CSU in the fall 2017 term should contact the campus offices or visit [www.calstate.edu/sas/california-promise](http://www.calstate.edu/sas/california-promise).

### ***Foreign Language Subject Requirement***

The foreign language subject requirement may be satisfied by applicants who demonstrate competence in a language other than English equivalent to, or higher than, that expected of students who complete two years of foreign language study. Consult your school counselor or any CSU campus Admissions or Outreach and Recruitment Office for further information.

### ***Substitution for Students with Disabilities***

Applicants with disabilities are encouraged to complete college preparatory course requirements if possible. If you are judged unable to fulfill a specific course requirement because of your disability, you may substitute alternative college preparatory courses for specific subject requirements.

Substitutions may be authorized on an individual basis after review and recommendation by your academic adviser or guidance counselor in consultation with the director of a CSU program for students with disabilities. Although the distribution may be slightly different from the course pattern required of other students, students who qualify for substitutions will still be held for 15 units of college preparatory study. You should be aware that failure to complete courses required for admission may limit your later enrollment in certain majors, particularly those involving mathematics. For further information and substitution forms, please contact the Director of Services for Students with Disabilities at your nearest CSU campus.

### ***Honors Courses***

Grades in up to eight semester courses designated as honors courses in approved subjects and taken in the last two years of high school receive additional points in grade point average calculations. Each unit of A in approved courses will receive a total of 5 points; B, 4 points; and C, 3 points.

### ***College Preparatory Courses Recommended***

Most academic advisers agree that preparation for university study includes preparation in subjects beyond English and mathematics. Bachelor's degree curricula build upon previous study in the natural sciences, social sciences, visual and performing arts, foreign languages, and the humanities. Students who plan to major in mathematics, the sciences (including computer science), engineering, premedicine, other science-related fields, business, or economics should complete four years of college preparatory mathematics. Students in the social sciences and preprofessional fields of study should include at least three years of college preparatory mathematics in their studies. Further, all students should include English and mathematics in the final year of high school.

### ***Provisional Admission of Transfer Students***

Cal State L.A. may provisionally or conditionally admit transfer applicants based on their academic preparation and courses planned for completion. The campus will monitor the final terms to ensure that those admitted complete all required courses satisfactorily. All accepted applicants are required to submit an official transcript of all college level work completed. Campuses may rescind admission for any student who is found to be ineligible after the final transcript has been evaluated. In no case may such documents be received and validated by the University any later than a student's registration for their second term of CSU enrollment.

### ***Transcript and Test Score Requirements***

First-time freshman applicants should not request high school transcripts to be sent to the University until the date of high school graduation is posted on their high school transcript, or unless requested by the University to do so. Transcripts must be sent directly from the high school to Cal State L.A.'s Office of Admissions and Recruitment. All transcripts become University property and will not be released or copied, except for students who request that their application be redirected to another CSU campus. For fall applicants graduating from high school in June, the final high school transcript with date of high school graduation posted must be received by July 15, or the term's specified transcript deadline date, to ensure enrollment and to prevent the offer of admissions from being cancelled. For applicants with a final calculated high school grade point average of less than 3.00, an SAT or ACT score is required which generally is included on the high school transcript.

### ***Foreign High School Graduates***

Applicants who are graduates of secondary schools in foreign countries will have their records assessed for academic preparation and equivalence to those of eligible California high school graduates. The SAT and/or ACT is not an admission requirement from these individuals, except when specifically requested to do so.

Applicants who have graduated from U.S. high schools abroad will be held to academic requirements as those who have graduated from high schools outside California. Please refer to the transcript and test score requirements as noted in the above paragraph.

## Transfer Policies of CSU campuses

Most commonly, college level credits earned from an institution of higher education accredited by a regional accrediting agency are accepted for transfer to campuses of the CSU; however, authority for decisions regarding the transfer of undergraduate credits is delegated to each CSU campus.

California Community Colleges and other authorized certifying institutions can certify up to 39 semester (58.5 quarter) units of General Education-Breadth (GE-Breadth) or 37 semester (55.5 quarter) units of the Intersegmental General Education Transfer Curriculum (IGETC) for transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer.

“Certification” is the official notification from a California Community College or authorized institution that a transfer student has completed courses fulfilling lower-division general education requirements. The CSU GE-Breadth and the Intersegmental General Education Transfer Curriculum (IGETC) certification course lists for particular community colleges can be accessed at [www.assist.org](http://www.assist.org).

CSU campuses may enter into course-to-course or program-to-program articulation agreements with other CSU campuses and any or all of the California community colleges, and other regionally accredited institutions. Established CSU and CCC articulations may be found on [www.assist.org](http://www.assist.org). Students may be permitted to transfer no more than 70 semester (105 quarter) units to a CSU campus from an institution which does not offer bachelor’s degrees or their equivalents, for example, community colleges. Given the university’s 30-semester (45-quarter) unit residency requirement, no more than a total of 90-semester (135-quarter) units may be transferred into the university from all sources.

### *Transfer Requirements*

Applicants who have completed fewer than 60 transferable semester college units (fewer than 90 quarter units) are considered lower-division transfer students. Applicants who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper-division transfer students. Applicants who complete college units during high school or through the summer immediately following high school graduation are considered first-time freshmen and must meet the CSU minimum eligibility requirements for first-time freshman admission. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses and accepted as such by the campus to which the applicant seeks admission.

### Lower Division Transfer Admission Requirements

Generally, applicants will qualify for CSU admission consideration as a lower-division transfer if they have a cumulative grade point average of at least 2.0 (C or better) in all transferable units attempted.

1. Will meet the freshman admission requirements (grade point average and subject requirements) in effect for the term to which they are applying (see “Freshman Requirements” section); **or**
2. Were eligible as a freshman at the time of high school graduation except for missing college preparatory subject requirements, have been in continuous attendance in an accredited college since high school graduation, and have made up the missing subject requirements with a 2.0 or better GPA.

Applicants who graduated from high school prior to 1988 should contact the admission office to inquire about alternative admission programs.

For admission, Cal State L.A. requires an official final transcript prior to a specified date to verify successful completion of English composition and college level mathematics if either or both courses are “in progress” or “planned” at the time of application. Refer to your letter of admission for additional information.

Lower-division applicants who did not complete subject requirements while in high school may make up missing subjects in any of the following ways:

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better. One college course of at least three semester or four quarter units will be considered equivalent to one year of high school study.
3. Earn acceptable scores on specified examinations, e.g., SAT subject tests.

Please consult with the CSU campus admission office, to which you are applying for further information about alternative ways to satisfy the subject requirements. (Due to increased enrollment demands, many CSU campuses do not admit lower-division transfer applicants.)

## Upper Division Transfer Admission Requirements

Generally, applicants will qualify for consideration for upper-division transfer admission if they meet all of the following requirements:

1. They have a cumulative grade point average of at least 2.0 (C or better) in all transferable units attempted;
2. They are in good standing at the last college or university attended; and
3. They have completed at least sixty (60) transferable semester (90 quarter) units of college level coursework with a grade point average of 2.0 or higher and a grade C or better in each course used to meet the CSU general education requirements in written communication, oral communication, critical thinking, and quantitative reasoning, e.g. mathematics.

The 60 units must include at least 30 units of courses, which meet CSU general education requirement including all of the general education requirements in communication in the English language (both oral and written) and critical thinking and the requirement in mathematics/quantitative reasoning (usually 3 semester units) OR the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

## Associate Degrees for Transfer (AA-T or AS-T) established by the Student Transfer Achievement Reform (STAR) Act (SB 1440)

The Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T) degrees offered at the California Community Colleges (CCC) are designed to provide California Community College students a clear transfer preparation and admission pathway to those CSU degree majors deemed similar. Those students who complete these transfer degrees and who are admitted to a similar CSU major program or option for that discipline will be able to complete the Baccalaureate Degree within 60 semester or 90 quarter units providing that all remaining required courses are completed successfully without a break in attendance and providing that no supplemental courses for minors or areas of emphasis are undertaken.

California Community College students who earn an associate degree for transfer (AA-T or AS-T) are guaranteed admission with junior standing to the California State University but not to any particular campus or program. Because several CSU campuses are receiving more transfer applications from eligible students than can be accommodated, these campuses have declared impaction resulting in higher admission criteria. See more on impaction at [www.calstate.edu/SAS/impactioninfo.shtml](http://www.calstate.edu/SAS/impactioninfo.shtml). However, transfer students who earn the AA-T or AS-T degrees, are given priority admission over other transfer applicants when applying to a non-impacted CSU campus or to a non-impacted program from a community college within the local admission area of the campus. These students are also given priority admission consideration when applying from a community college that is outside the local admission area of an impacted CSU campus or when applying to a similar program that is impacted at any CSU campus. A current list of CSU degree programs that have been deemed similar to the associate degrees for transfer can be found at [www.calstate.edu/transfer/adt-search](http://www.calstate.edu/transfer/adt-search).

Those students who earn associate degrees for transfer and apply to a CSU campus but cannot be admitted due to impaction will be redirected to another CSU campus and offered admission for the same term. In order to qualify for the priority admission guarantee, transfer applicants must be conferred an approved Associate Degree for Transfer (AA-T/AS-T) by a California Community College, must apply for admission to California State University campuses for an open term by the published deadline, submit all requested transcripts and documents, meet CSU admission eligibility requirements for the campus and/or program, and must comply with any other prescribed admission requirements. It is the responsibility of these transfer students to provide documentation about the completion of the degree to each CSU campus that has received an application for admission.

For more information contact your Community College Transfer Center or review these resources:

<http://www.sb1440.org/>

<http://adgreewithaguarantee.com/>

## Test Requirements

### *Scholastic Aptitude Test (SAT) and American College Test (ACT)*

Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit are strongly encouraged to submit scores, unless exempt (see "[Appendix A - Eligibility Index](#)"), from either the ACT or the SAT of the College Board. Persons who apply to an impacted program may be required to submit test scores and should take the test no later than November or December. Test scores also are used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from school or college counselors or from a CSU campus testing office located in the Library, Rm. 2098, (323) 343-3160. Or students may write to or call:



The College Board (SAT)  
Registration Unit, Box 6200  
Princeton, New Jersey 08541-6200  
(609) 771-7588  
[www.collegeboard.org](http://www.collegeboard.org)

ACT Registration Unit  
P.O. Box 414  
Iowa City, Iowa 52240  
(319) 337-1270  
[www.act.org](http://www.act.org)

## English Language Requirement

All undergraduate applicants whose native language is not English and who have not attended schools at the secondary level or above for at least three years full time where English is the principal language of instruction must present a score of 500 or above on the Test of English as a Foreign Language (TOEFL). Some majors may require a score higher than 500. Some majors and some campuses may require a higher score. A few campuses may also use alternative methods of assessing English fluency: Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP).

Each campus will post the tests it accepts on its website and will notify students after they apply about the tests it accepts and when to submit scores.

### Minimum Scores for Undergraduate Admissions:

|       |                    |                 |
|-------|--------------------|-----------------|
| TOEFL | 61 iBT Internet    | 500 paper based |
| IELTS | Band 5.5 or higher |                 |
| PTE   | 44 or higher       |                 |

To obtain TOEFL registration materials, locations and test dates, write to:

Educational Testing Service  
P. O. Box 6154  
Princeton, New Jersey 08541-6151  
[www.toefl.org](http://www.toefl.org)

You also may contact the U. S. embassy in your country for TOEFL information. Request that your TOEFL test results be sent directly to California State University, Los Angeles (institution code 4399).

## Systemwide Placement Test Requirements

The California State University requires that each entering undergraduate, except those who qualify for an exemption, take the CSU Entry Level Mathematics (ELM) examination and the CSU English Placement Test (EPT) prior to enrollment.

These placement tests are not a condition for admission to the CSU, but they are a condition of enrollment. These examinations are designed to identify entering students who may need additional support in acquiring college entry-level English and mathematics skills necessary to succeed in CSU baccalaureate-level courses. Undergraduate students who do not demonstrate college-level skills both in English and in mathematics will be placed in appropriate remedial programs and activities during the first term of their enrollment. Students placed in remedial programs in either English or mathematics must complete all remediation in their first year of enrollment. Failure to complete remediation by the end of the first year may result in denial of enrollment for future terms.

Students register for the EPT ([www.csuenglishsuccess.org/ept](http://www.csuenglishsuccess.org/ept)) and/or ELM ([www.csumathsuccess.org/elm\\_exam](http://www.csumathsuccess.org/elm_exam)). The campus may establish deadlines by which new students must register for and/or take placement exams as a requirement for enrollment.

Students register for the EPT and/or ELM at their local CSU campus. Questions about test dates and registration materials may be addressed to the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

*All nonexempt undergraduates must complete the EPT and ELM after admission and **before first enrollment in courses at***

## English Placement Test (EPT)

The English Placement Test (EPT) is designed to assess the level of reading and writing skills of students entering the California State University. The CSU EPT must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses. Students who score 147 or above on the EPT will be placed in college-level composition classes.

Exemptions from the EPT are granted only to those who present proof of one of the following:

- A result of Standard Exceeded: “Ready” for CSU or participating CCC college-level coursework in English on the CAASPP Early Assessment Program (EAP) exam.
- A result of Standard Met: “Conditionally Ready” for CSU or participating CCC college-level coursework in English on the CAASPP Early Assessment Program (EAP) exam and met the conditional requirement.
  - The Conditional requirement may be met by completing an approved English course in the 12th grade and earning a grade of “C” or better. Students who do not meet the conditional requirement will need to participate in the CSU’s Early Start Program, unless exemption was met through one of the following:
    - New SAT: A score between 510 - 540 on the Evidenced Based Reading and Writing Section\*
    - Old SAT: A score between 460 - 490 on the Critical Reading section of the old SAT Reasoning Test
    - A score of 19 - 21 on the English section of the ACT Test
- New SAT: A score of 550 or above on the Evidenced Based Reading and Writing section\*
- Old SAT: A score of 500 or above on the Critical Reading section of the old SAT Reasoning Test
- A score of 22 or above on the ACT English Test
- A score of 3 or above on either the Language and Composition or Composition and Literature examination of the College Board Scholastic Advanced Placement Program
- Completion and transfer to CSU of the credits for a college course that satisfies the CSU General Education requirement in English Composition, provided such a course was completed with a grade of C or better.

\* In March 2016, the College Board began administering a new SAT. The new SAT scores are different than the old SAT scores. The CSU will accept both old and new SAT scores for students graduating in 2020 and prior. Students graduating after 2020 will be required to take the new SAT.

The results of the EPT will not affect admission eligibility, but will be used to identify students who need special help in reading and writing to complete college-level work. Information bulletins for the EPT may be obtained at the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

## Entry Level Mathematics (ELM) Placement Examination

The Entry Level Mathematics (ELM) Examination is designed to assess and measure the level of mathematics skills acquired through three years of rigorous college preparatory mathematics coursework (Algebra I and II, and Geometry) of students entering the California State University (CSU). The CSU ELM must be completed by all non-exempt entering undergraduates prior to enrollment in any course, including remedial courses. Students who score 50 or above on the ELM will be placed in college-level mathematics classes.

Exemptions from the ELM are granted only to those who present proof of one of the following:

- A result of Standard Exceeded: “Ready” for CSU or participating CCC college-level coursework in mathematics on the CAASPP Early Assessment Program (EAP) exam.
- A result of Standard Met: “Conditionally Ready” for CSU or participating CCC college-level coursework in mathematics on the CAASPP Early Assessment Program (EAP) exam and met the conditional requirement.
  - The Conditional requirement may be met by completing an approved math course in the 12th grade and earning a grade of “C” or better. Students who do not meet the conditional requirement will need to participate in the CSU’s Early Start Program, unless exemption was met through one of the following:
    - New SAT: A score between 520-560 on the mathematics section of the new SAT Test\*
    - Old SAT: A score between 490 - 540 on the mathematics section of the old SAT Reasoning Test
    - A score between 20 - 22 on the mathematics section of the ACT Test
- New SAT: A score of 570 or above on the mathematics section of the new SAT\*
- Old SAT: A score of 550 or above on the mathematics section of the old SAT Reasoning Test

SAT Subject Test: A score of 550 or above on the SAT Subject Test in Mathematics (level 1 or level 2)\*\*

- A score of 23 or above on the ACT Mathematics Test
- A score of 3 or above on the College Board Advanced Placement Calculus AB or Calculus BC
- A score of 3 or above on the College Board Advanced Placement Statistics examination
- Completion and transfer to CSU of a college course that satisfies the requirement in Quantitative Reasoning, provided such a course was completed with a grade of “C” or better

\* In March 2016, the College Board began administering a new SAT. The new SAT scores are different than the old SAT scores. The CSU will accept both old and new SAT scores for students graduating in 2020 and prior. Students graduating after 2020 will be required to take the new SAT. \*\*Note: there were no changes to the SAT Subject Tests; therefore, the cut score for the Subject Test in Mathematics (levels 1 or 2) remains the same.

Information bulletins for the EPT and ELM examinations may be obtained from the Cal State L.A. Testing Center, Library, Palmer Wing 2098, (323) 343-3160.

### *Credit for Nontraditional Learning Experiences*

Credit for certain nontraditional learning experiences may be used in determining eligibility and credit allowances of undergraduate applicants. These nontraditional credit allowances are listed and described below. A more detailed analysis of each category appears later in this chapter under Evaluation of Transfer Credit.

#### Categories and Credit Allowances

- Baccalaureate-level course credit certified by the Defense Activities in Nontraditional Education Support (DANTES) yields a maximum of 24 semester units.
- Advanced Placement examinations of the CEEB with scores of 3, 4, or 5 yield 6 semester units for each examination.
- For credit allowance for standardized external examinations, including CLEP, Advanced Placement, the CSU English Equivalency Exam, the American Chemical Society Cooperative Examination, see the explanations later in this chapter.
- For basic training military service, 6 semester units of lower division elective credit are awarded for 1 year or longer of active duty with an honorable discharge, and 3 semester units for 6 months to one year with an honorable discharge.
- Civilian and military courses and schools recommended for credit by the American Council on Education’s Commission on Educational Credit and Credentials yield a maximum of 8 semester units.

### *International (Foreign) Student Admission Requirements*

The CSU must assess the academic preparation of foreign students. For this purpose, “foreign students” include those who hold U.S. visas as students, exchange visitors, or in other nonimmigrant classifications.

The California State University uses separate requirements and application filing dates in the admission of foreign students. Verification of English proficiency (see the section about the English Language requirement for undergraduate applicants), financial resources, and academic performance are all important considerations for admissions. Academic records from foreign institutions must be on file at least 60 days before registration for the first term and, if not in English, must be accompanied by certified English translations.

Foreign applicants and all others who are not permanent U.S. residents will be admitted to Cal State L.A. only if they meet one of the following sets of requirements:

- Completion of two years (56 semester units or equivalent) of acceptable college work with a minimum 2.4 grade point average as evaluated by the University (A=4.0), an acceptable course in English composition, speech, critical thinking and mathematics with a minimum grade of C in each course, and a minimum 500 paper-based, 173 computer-based, 61 internet-based score on the Test of English as a Foreign Language (TOEFL); **or**
- Graduation from a foreign high school where the language of instruction was not exclusively English (with a minimum 3.0 grade point average as evaluated by the University), a minimum 2.4 grade point average in any college work attempted (as evaluated by the University), and a minimum 500 paper-based, 173 computer-based, or 61 internet-based TOEFL score (refer to the section about the TOEFL requirement). The academic eligibility requirement is the same as for graduates of high schools outside California, although submission of ACT or SAT scores is not necessary, unless specifically requested by the University. Foreign high school equivalencies are determined by the University; **or**
- Graduation from a foreign high school where the language of instruction was not exclusively English (with a minimum 3.0 grade point average as evaluated by the University) and a minimum 500 paper-based, 173 computer-based, or 61

internet-based TOEFL score (refer to the section about the TOEFL requirement). The academic eligibility requirement is the same as for graduates of high schools outside California, although submission of ACT or SAT scores is not necessary, unless specifically requested by the University. The University determines foreign high school equivalencies.

Undergraduate applicants who have attended full time, for at least three years, either an accredited U.S. college or university or a foreign high school, college, or university where the principle language of instruction was English are exempted from the TOEFL requirement.

The Bureau of Citizenship and Immigration Services (BCIS) requires that F-1 visa undergraduate students carry a minimum study load of 12 quarter units. Visa students must have advance proof of adequate financial resources, be in good health, and comply with all Cal State L.A. and BCIS regulations. Consult International Programs and Services, (323) 343-3170, for information about visas, housing, and related matters. International students may apply online at [www.csumentor.edu](http://www.csumentor.edu).

### ***General Guidelines for Foreign Records***

Applicants with foreign academic work are required to submit official copies of academic records, along with a certified English translation. Academic records should include: secondary school records; yearly records from each college or university attended that indicate the number of hours per semester or year devoted to each course and the grades received; and official documents that confirm the awarding of the degree that include the title and date.

All official documents submitted become the property of the University. The University will determine the acceptability of any foreign work.

### ***Insurance Requirement***

Effective August 1, 1995, as a condition of receiving an I-20 or DS2019 form, all F-1 and J-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment in The California State University. Such insurance must be in amounts as specified by The Bureau of Educational and Cultural Affairs, U.S. Department of State and NAFSA, Association of International Educators. The campus president or designee shall determine which insurance policies meet these criteria. Further information may be obtained from the College of Extended Studies and International Programs at (323) 343-4900.

## ***Second Baccalaureate Applicants***

Students who have earned a baccalaureate from an accredited institution may earn a second baccalaureate at Cal State L.A. They are considered postbaccalaureate applicants and must meet the admission requirements for graduate and postbaccalaureate students (see the section later in this chapter). For more information, please contact the College of Extended Studies and International Programs at (323) 343-4900.

## ***Special Admission Categories***

### ***Early Start Program***

Entering resident freshmen who are not proficient in math or English will need to start the remediation process before their first regular term.

The goals of Early Start Program are to:

- Better prepare students in math and English, before the fall semester of freshman year;
- Add an important and timely assessment tool in preparing students for college; and
- Improve students' chances of successful completion of a college degree.

Newly admitted freshman students who are required to complete Early Start will be notified of the requirement and options for completing the program as part of campus communications to newly admitted students.

### **Adult Students**

As an alternative to regular admission criteria, applicants who are 25 years of age or older may be considered for admission as adult students if they meet all of the following conditions:

1. Possess a high school diploma (or have established equivalence through either the General Educational Development or California High School Proficiency Examinations).
2. Has not been enrolled in college as full-time students for more than one term during the past five years.
3. If there has been any college attendance in the last five years, has earned a C (2.0) average or better in all college work attempted.

Consideration is based on a judgment about whether the applicant is as likely to succeed as a regularly admitted freshmen or transfer students and will include an assessment of basic English language and mathematical computation. Questions should be directed in writing to the Director of University Admissions.

## Educational Opportunity Program (EOP)

The Educational Opportunity Program (EOP) assists undergraduate students who are disadvantaged because of their economic or educational background. EOP serves California residents who do not meet regular admission criteria, as well as those who qualify for regular admission, if they have a history of low income and need academic and financial assistance.

In addition to special admission procedures, the program provides specialized orientation, financial assistance, advisement by professional and peer counselors (usually upper division students), tutoring, and access to specialized courses. Because not all EOP applicants can be guaranteed admission, alternative opportunities should be investigated. Applications and information may be obtained from the EOP Office, Student Affairs 215, (323) 343-4EOP.

## Early Entrance Program (EEP)

Cal State L.A.'s Early Entrance Program (EEP) serves highly gifted students who need the academic challenges of a university environment to develop intellectually but who are chronologically younger than traditional undergraduates and have not yet graduated from high school. The EEP provides the opportunity for these highly gifted students to begin their college studies early at Cal State LA as full-time college students and offers them support, guidance, counseling, and a social environment necessary to prepare them for success at the university level. Consult the description of the Early Entrance Program under University Programs for complete details about the admission requirements for this program. For further admission information please contact the EEP at (323) 343-2287, fax (323) 343-5574 or visit the EEP Website at

[www.calstatela.edu/eep](http://www.calstatela.edu/eep)

## High School Students

High school students may be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a specific program and does not constitute the right to continued enrollment.

### ***Provisional Admission of First-time Freshmen***

Cal State L.A. may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned coursework for the senior year. The campus will monitor the final terms of study to ensure that admitted students complete their secondary school studies satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all course work has been satisfactorily completed. Official high school transcripts must be received prior to deadline set by the University. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts and cancel any University registration for students who are found to be ineligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admission when the university verifies that they have graduated and received a diploma from high school, have a qualifiable minimum [Appendix A - Eligibility Index](#), have completed the comprehensive pattern of college preparatory "a-g" subjects, and, if applying to an impacted program or campus, have met all supplementary criteria.

The CSU uses only the ACT composite score or the *mathematics and critical reading scores on the old SAT*, or *mathematics and Evidence-Based Reading and Writing scores on the new SAT* in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.

## High School Nongraduates

Applicants older than 18 years of age who have not graduated from high school are considered for admission only when their preparation in all other ways is such that Cal State L.A. believes their promise of academic success is equivalent to that of eligible California high school graduates. These applicants are required to submit General Educational Development (GED) test scores to establish high school graduation equivalence and an official high school transcript that shows all work completed to the last date of attendance. Scores on the ACT or SAT also are required.

## Veterans

Under special circumstances and by authorized action, veterans of U.S. military service who are California residents may be

admitted as either first-time freshmen or transfers even though such applicants are not otherwise eligible.

### Applicants Not Regularly Eligible

Applicants who are not admissible under one of the above provisions should enroll in extension courses, a community college, or another appropriate institution to meet eligibility requirements. Only under the most unusual circumstances and by authorized action will such applicants be admitted to Cal State L.A. without additional academic preparation as described above.

## Undergraduate Application Procedures

Prospective students applying for part-time or full-time undergraduate programs of study must submit a completed undergraduate application. The \$55 nonrefundable application fee should be paid on-line at the time of application via credit card, e-check, or PayPal, and may not be transferred or used to apply to another term. An alternate major may be indicated on the application. The applications of persons denied admission to an impacted and/or closed campus may be re-routed to another major or campus at no cost, but only if the applicant is CSU eligible.

### Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The University uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service requires the University to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

### *Application Filing Periods*

**(Not all campuses/programs are open for admission to every term.)**

See <http://www.calstatela.edu/admissions/how-do-i-apply> and <http://www.calstatela.edu/international/incoming-students> (Not all campuses/programs are open for admission to every term.)

### Filing Period Duration

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information. Similar information is conveniently available at [http://www.csumentor.edu/filing\\_status/Default.asp](http://www.csumentor.edu/filing_status/Default.asp).

### International (Visa) Applicants

Application filing periods for international (visa) applicants differ from those for domestic (non-visa) applicants because of additional time required to evaluate records and prepare the necessary documents for the Bureau of Citizenship and Immigration Services (BCIS). See <http://www.calstatela.edu/international/other-information-0>.

The Director of the Office of Admissions and Recruitment may waive this advance application requirement if circumstances warrant. In addition to the academic requirements outlined earlier in this chapter, international students must have competence in the English language, financial resources adequate to provide for all expenses during their period of study at Cal State L.A., and must be in good health.

### Application Acknowledgment

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impaction, campus requirements for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

## *Transcript and Admission Test Score Requirements*

Undergraduate transfer students are required to comply with the following transcript and test score requirements as part of the application procedures for admission. Classifications (class level) of applicants apply as of the date of intended enrollment.

### ***Applicants with fewer than 60 semester units completed***

Transcripts: One from high school of graduation; one from each college attended. Test Score: ACT or SAT.

### ***Applicants with 60 or more semester units completed***

Transcripts: One from each college attended; graduate and second baccalaureate applicants, two from each college attended.

### ***Returning Students***

Transcripts: One from each college attended since last enrollment at Cal State L.A. unless otherwise notified by the Office of Admissions and Recruitment. One from each college attended before Cal State L.A. if student last attended Cal State L.A. more than one year ago.

### ***Engineering Majors***

Transcripts: One sent directly to the Office of Admissions and Recruitment; one to College of Engineering, Computer Science and Technology.

### ***Nursing Majors***

Transcripts: One sent directly to the Office of Admissions and Recruitment; one to School of Nursing. CAUTION: Transcripts must be sent directly from each college and school of nursing attended.

Transfer applicants must submit transcripts to the University from all colleges and universities previously attended, even if no course work was completed. If transferring with fewer than 60 transferable semester (90 quarter) units completed, the high school transcript and official test scores (for applicants with a final calculated high school grade point average of less than 3.00) must also be sent. Transcripts from within the U.S. must be sent once you are admitted and must be received by the Document Deadline indicated in the email offering admission to avoid registration delays and to prevent the offer of admission from being canceled, and if enrolled, being dropped from all courses. Documents from outside the U.S. must be sent prior to an offer of admission and received at least 60 days before the first day of the term to which the applicant applies. Students should refer to the appropriate terms' deadlines for more information (See <http://www.calstatela.edu/international/other-information-0>) All transcripts become University property and will not be released or copied, except for students who request that their application be redirected to another CSU campus. Transcripts are retained one year for applicants who do not enroll in the term of application or who send transcripts but do not file an application.

Official transcripts are documents received in an envelope sealed by the issuing institution. For initial advisement purposes, students are recommended to bring their own set of transcripts.

## *Impacted Programs*

The CSU designates programs as impacted when more applications from regularly eligible applicants are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus that they are offered; others are impacted only at a few campuses. Candidates for admission must meet all of the campus' specified supplementary admission criteria if applying to an impacted program or campus.

The CSU will announce during the fall filing period those campuses or programs that are impacted. Detailed information on campus and programs impaction will be available at the following websites:

- <http://www.calstate.edu/SAS/impactioninfo.shtml>
- [www.calstate.edu/sas/impaction-campus-info.shtml](http://www.calstate.edu/sas/impaction-campus-info.shtml)

Campuses will communicate its supplementary admission criteria for all impacted programs to high schools and community colleges in their service area and will disseminate this information to the public through appropriate media. This information will also be published at the CSU campus individual website and made available online at:

<http://www.calstate.edu/>.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in impacted programs at more than one campus should file an application at each campus for which they seek admission consideration.

## Supplementary Admission Criteria

Each campus with impacted programs or admission categories uses supplementary admission criteria in screening applicants. Supplementary criteria may include rank-ordering of freshman applicants based on the CSU eligibility index or rank-ordering of transfer applicants based on verification of AA-T or AS-T degree, the overall transfer grade point average (GPA), completion of specified prerequisite courses, and a combination of campus-developed criteria. Applicants for freshman admission to impacted campuses or programs are required to submit scores on either the SAT or the ACT. For fall admission, applicants should take tests as early as possible, but no later than November or December of the preceding year.

The supplementary admission criteria used by the individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program. Details regarding the supplemental admissions criteria are also provided at: [www.calstate.edu/impactioninfo.shtml](http://www.calstate.edu/impactioninfo.shtml).

## Hardship Petitions

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the campus Admissions Office about specific policies governing hardship admission.

## *Reapplication After Failure to Enroll*

Applicants who fail to register for the term for which they have been accepted will have their admission canceled. Those who desire admission to any future term must file another application (with fee) within the stated application period and must meet admission requirements in effect at the time of the new application.

All transcripts on file for applicants who are admitted but do not attend are kept one year and may be used for admission during that period. However, transcripts of any additional work completed since the original transcripts were filed must be requested by the applicant from the college(s) attended as part of the new application procedure.

## *Readmission*

Students who are absent without prior approval for any two consecutive semesters before the semester they wish to return must apply for readmission. An application fee is charged except for students who were enrolled during any of the two consecutive semesters immediately preceding the semester of desired readmission. An application with fee also must be filed by any student who enrolls at another institution during an absence, with the following exceptions: a summer session or extension program; dual registration, with prior approval; or concurrent or visitor enrollment at another CSU campus. Students who were disqualified from Cal State L.A. following the last semester of attendance must file an application for admission as returning disqualified students. For details see Readmission of Disqualified Students below.

## Returning Veterans (Military, Alternative Service)

Cal State L.A. students who enter active U.S. military service or approved alternative service are eligible for continuing student status following active service. Time served in active military or approved alternative service, including the entire semester in which the student entered the service and the entire semester during which the discharge occurred, will not be counted as a break in attendance in determining continuing student status.

## Readmission of Disqualified Students

Readmission after disqualification is not automatic. Disqualified students will not be considered for readmission until at least one semester has elapsed. Normally, students will be eligible for readmission when they have satisfied conditions and requirements established during an exit interview. Basic readmission regulations require the following: senior level students (90+ semester units completed) are eligible to be readmitted if their Cal State L.A. and cumulative grade point average is greater than 1.95; junior level students (60-89 semester units completed) are eligible to be readmitted if their Cal State L.A. and cumulative grade point average is greater than 1.85; sophomore level students (30-59 semester units completed) are eligible to be readmitted if their Cal State L.A. and cumulative grade point average is greater than 1.70; freshman level students (0-29 semester units completed) are eligible to be readmitted if their Cal State L.A. and cumulative grade point average is greater than 1.50. Units earned elsewhere while under disqualification can be used to reduce the total grade point deficiency, but not the Cal State L.A. deficiency (which may be corrected through Open University enrollment in Extended Studies).

Before the appropriate deadline, disqualified students must file an application for readmission as returning disqualified students. In addition, they must seek readmission through a petition to the department or division and college from which they were disqualified. The Dean of Undergraduate Studies will rule on petitions for readmission of disqualified students with undeclared majors. Petitions for Readmission from Disqualification may be obtained from department or division offices and applications for readmission are available online at [www.csumentor.edu](http://www.csumentor.edu). Official transcripts of all transfer work attempted since



disqualification must be furnished.

## Readmission Appeals Procedure

Students who have not met requirements established at the time of the exit interview will be ineligible for readmission and will be so notified by the University Admissions Office. Students may appeal this decision by submitting a petition to the dean of their college or the dean of Undergraduate Studies if they have not declared a major.

## *Evaluation of Transfer Credit*

Undergraduate transfer students' previous college work is evaluated in terms of its relevance to Cal State L.A. course offerings and degree requirements. The transfer credit evaluation is prepared for all new transfer and readmitted students by their second quarter of attendance. This evaluation identifies general education and graduation course requirements met by transfer courses and transfer credit accepted in satisfaction of unit requirements. For readmitted students, it also identifies general education and major requirements met by Cal State L.A. courses. The policies of the transfer institution(s) are followed when grade point averages of transfer course work are computed. If such policies cannot be determined, Cal State L.A. policies are followed. Credit for selected vocational/technical courses not generally accepted for transfer credit may be recognized after admission if approved by the Cal State L.A. academic department or division responsible for the related degree program.

## Quarter Units/Semester System

Credits at Cal State L.A. are expressed in semester units; one semester unit normally represents no fewer than fifty minutes of class work and two or more hours of outside study per week for one semester. One semester unit is equivalent to 1.5 quarter units, and one quarter unit is equivalent to 0.67 semester units.

## Credit for Community College Course Work

A maximum of 70 semester units (105-quarter units) earned in a Community College will be allowed towards the units required for graduation. Neither upper division credit nor credit for professional education courses is allowed for community college work.

## Credit for Extension, Correspondence Courses

The maximum amount of credit for correspondence and extension courses that may be applied toward the baccalaureate is 24 semester units (36 quarter units). Extension and correspondence course credit does not satisfy Cal State L.A. residence requirements. Students should consult their major department or division adviser before they enroll in extension or correspondence courses to ensure that courses elected will meet both unit and content requirements for the degree.

No undergraduate degree credit will be allowed for University of California extension courses in the X300 or X400 series taken after Spring Quarter 1968, except as specifically approved by the individual department or division concerned.

## Credit for Supplementary Transfer Work

To request evaluation of credit toward a bachelor's degree for work taken at other colleges or universities subsequent to matriculation at Cal State L.A., students must have official transcripts forwarded to the Admissions Office.

## Credit for Non-collegiate Instruction

Cal State L.A. grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree if such credit has been recommended by the Commission on Educational Credit and Credentials of the American Council on recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

## Credit for Military Service

Students are granted 6 semester units of lower division elective credit, upon admission, for one year or more of regular active duty in a U.S. military service with an Honorable Discharge, including completion of basic or recruit training. For six months to one full year of military service, including completion of a six-month reserve training program with basic recruit training, and an Honorable Discharge, 3 semester units of lower division elective credit are granted upon admission. Additional credit to a maximum of 8 semester units may be granted for completion of certain service school certificate programs, based on recommendations of the Commission on Educational Credit and Credentials of the American Council on Education.

Students should submit a copy of their military separation, DD214 or equivalent record, at the time of application for admission.

Information on how to request an evaluation of military service school credit can be obtained at [www.acenet.edu](http://www.acenet.edu), the American Council on Education home page. Military service credit is not applied toward the residence requirement.

### Credit Certified by the Defense Activities in Nontraditional Education Support (DANTES)

A maximum of 24 semester units of baccalaureate course credit may be earned for course work certified by the Defense Activities in Nontraditional Education Support (DANTES). Students must have an official DANTES transcript forwarded to the Office of University Admissions.

### Credit for Peace Corps Training

Peace Corps volunteers who completed their training at Cal State L.A. may earn a maximum of 1 semester units for each week of the training program. The number of units and the area in which the units are given varies with each project. Grades are recorded as Credit (CR).

Credit for work taken at another institution while in Peace Corps training will be granted by Cal State L.A., but only as it appears on an official transcript from another college or university. The credit will be validated when the volunteer becomes a student at Cal State L.A. or another institution of higher education.

### *Evaluation of Optional Undergraduate Tests and Examinations*

Cal State L.A. grants undergraduate degree credit to students who pass examinations that have been approved for credit systemwide. These include Advanced Placement Examinations, the CSU English Equivalency Examination, and some CLEP examinations, as outlined below. The total credit earned in external examinations that may be applied to a baccalaureate shall not exceed 30 semester units, exclusive of credit for Advanced Placement examinations.

### Advanced Placement Credit

Cal State L.A. grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of 3 or better are granted 6 semester units (9 quarter units) of elective credit for each examination. The appropriate academic department/division/school determines acceptance of Advanced Placement units for purposes other than electives. Advanced Placement credit will be awarded for students who have had their College Board Grade Report for the Advanced Placement exam sent to Cal State L.A. and have completed one semester of attendance. Credit is not awarded for any examinations that overlap other examinations or equivalent college courses. Where partial overlap exists, the amount of credit awarded will be appropriately prorated.

Information about Advanced Placement examinations is available at the applicant's high school. Supporting test materials are sent to the college or university indicated by the student when the examinations are taken.

No credit for any examination will be forwarded to a student who has taken the examination previously within the past year; earned equivalent credit through regular course work, credit by another examination, or other instructional processes, such as correspondence study or military training; or earned credit previously in a course or by an examination more advanced than the level represented by the examination in question.

*Following is a list of AP examinations for which the University grants credit:*

| College Board Advanced Placement Tests | Passing Score | Minimum Semester Credits Earned <sup>1</sup> | Semester Credits Toward GE Breadth Certification | American Institutions and/or GE Breadth Area <sup>2</sup> | Removal Date for GE Breadth <sup>3</sup> |
|--|---------------|--|--|---|--|
| ART History                            | 3             | 6.0  | 3.0  | C1 or C2  |  |
| STUDIO ART -2D                         | 3             | 3.0  | 0  | n/a   |  |
| STUDIO ART -3D                         | 3             | 3.0  | 0  | n/a   |  |
| STUDIO ART - Drawing                   | 3             | 3.0  | 0  | n/a   |  |
|  |               |  |  |   |  |

|                                       |   |   |     |          |     |
|---------------------------------------|---|---|-----|----------|-----|
| Biology                               | 3 | 6.0   | 4.0 | B2+B3    |     |
| Calculus AB <sup>4</sup>              | 3 | 3.0   | 3.0 | B4       |     |
|                                       |   | (Earns credit for MATH 2110-Calculus I )                          |     |          |     |
| Calculus BC <sup>4</sup>              | 3 | 6.0   | 3.0 | B4       |     |
|                                       |   | (Earns credit for MATH 2110-Calculus I and MATH 2120-Calculus II) |     |          |     |
| Calculus BC/ AB Subscore <sup>4</sup> | 3 | 3.0   | 3.0 | B4       |     |
|                                       |   | (Earns credit for MATH 2110-Calculus I )                          |     |          |     |
| Chemistry                             | 3 | 6.0   | 6.0 | B1+B3    | F09 |
| Chemistry                             | 3 | 6.0   | 4.0 | B1+B3    |     |
| Chinese Language & Culture            | 3 | 6.0   | 3.0 | C2       |     |
| Comparative Government & Politics     | 3 | 3.0   | 3.0 | D8       |     |
| Computer Science A <sup>4</sup>       | 3 | 3.0   | 0   | n/a      |     |
| Computer Science AB <sup>4</sup>      | 3 | 6.0   | 0   | n/a      |     |
| English Language and Composition      | 3 | 6.0   | 3.0 | A2       |     |
| English Literature and Composition    | 3 | 6.0   | 6.0 | A2 + C2  |     |
| Environmental Science <sup>5</sup>    | 3 | 4.0   | 4.0 | B2+B3    | F09 |
| Environmental Science <sup>5</sup>    | 3 | 4.0   | 4.0 | B1+B3    |     |
| European History                      | 3 | 6.0   | 3.0 | C2 or D6 |     |
| French Language                       | 3 | 6.0   | 6.0 | C2       | F09 |
| French Language                       | 3 | 6.0   | 3.0 | C2       | F11 |
| French Language and Culture           | 3 | 6.0   | 3.0 | C2       |     |
| French Literature                     | 3 | 6.0   | 3.0 | C2       | F09 |
| German Language                       | 3 | 6.0   | 6.0 | C2       | F09 |
| German Language                       | 3 | 6.0   | 3.0 | C2       | F11 |
| German Language and Culture           | 3 | 6.0   | 3.0 | C2       |     |
| Human Geography                       | 3 | 3.0   | 3.0 | D5       |     |
| Italian Language & Culture            | 3 | 6.0   | 3.0 | C2       |     |
| Japanese Language & Culture           | 3 | 6.0   | 3.0 | C2       |     |

|  |                      |   |   |   |  |
|--|----------------------|---|---|---|--|
| Latin Literature   | 3                    | 6.0   | 3.0   | C2  | F09  |
| Latin  | 3                    | 6.0   | 3.0   | C2  |  |
| Latin: Virgil  | 3                    | 3.0   | 3.0   | C2  | F12  |
| Macroeconomics   | 3                    | 3.0   | 3.0   | D2  |  |
| Microeconomics   | 3                    | 3.0   | 3.0   | D2  |  |
| Music Theory   | 3                    | 6.0   | 3.0   | C1  | F09  |
| Physics 1 <sup>6</sup>   | 3                    | 4.0   | 4.0   | B1 +B3  |  |
| Physics 2 <sup>6</sup>   | 3                    | 4.0   | 4.0   | B1 +B3  |  |
| Physics B <sup>6</sup>   | 3                    | 6.0   | 6.0   | B1+B3   | F09  |
| Physics B <sup>6</sup>   | 3                    | 6.0   | 4.0   | B1+B3   | F13  |
| Physics C<br>(Electricity /<br>Magnetism) <sup>6</sup>   | 3                    | 4.0   | 4.0   | B1+B3   |  |
| Physics C<br>(Mechanics) <sup>6</sup>  | 3                    | 4.0   | 4.0   | B1+B3   |  |
| Psychology   | 3                    | 3.0   | 3.0   | D9  |  |
| Seminar  | 3                    | 3.0   | 0   | n/a   |  |
| Spanish<br>Language  | 3                    | 6.0   | 6.0   | C2  | S14  |
| Spanish<br>Language and<br>Culture   | 3                    | 6.0   | 3.0   | C2  |  |
| Spanish<br>Literature  | 3                    | 6.0   | 6.0   | C2  | S13  |
| Spanish<br>Literature and<br>Culture   | 3                    | 6.0   | 3.0   | C2  |  |
| Statistics   | 3                    | 3.0   | 3.0   | B4  |  |
|  |                      | (Earns credit for MATH 1090-Quantitative Reasoning with Statistics) |   |   |  |
| US Government<br>& Politics  | 3                    | 3.0   | 3.0   | D8+US-2   |  |
| U.S. History   | 3                    | 6.0   | 3.0   | (C2 or<br>D6)+US-1  |  |
| World History  | 3                    | 6.0   | 3.0   | C2 or D6  |  |
| <b>College Level Examination Program (CLEP)</b>  |                      |   |   |   |  |
| Credit is awarded for successful performance in certain examinations of the College Level Examination Program. |                      |   |   |   |  |
| <b>Following is a list of CLEP examinations for which the University grants credit:</b>                        |                      |   |   |   |  |
| <b>CLEP Examination</b>  | <b>Passing Score</b> | <b>Minimum Semester Credits Earned<sup>1</sup></b>                  | <b>Semester Credits Toward GE Breadth Certification</b> | <b>American Institutions and/or GE Breadth Area<sup>2</sup></b> | <b>Removal Date for GE Breadth<sup>3</sup></b> |
| CLEP American Government   | 50                   | 3.0   | 3.0   | D8  |  |
| CLEP American Literature   | 50                   | 3.0   | 3.0   | C2  |  |
| CLEP Analyzing and Interpreting Literature   | 50                   | 3.0   | 3.0   | C2  |  |
|  |                      |   |   |   |  |

|  |    |   |     |         |     |
|--|----|---|-----|---------|-----|
| CLEP Biology                                       | 50 | 3.0   | 3.0 | B2      |     |
| CLEP Calculus                                      | 50 | 3.0   | 3.0 | B4      |     |
|  |    | (Earns credit for MATH 2110-Calculus I )                          |     |         |     |
| CLEP Chemistry                                     | 50 | 3.0   | 3.0 | B1      |     |
| CLEP College Algebra                               | 50 | 3.0   | 3.0 | B4      |     |
|  |    | (Earns credit for MATH 1020-College Algebra )                     |     |         |     |
| CLEP College Algebra: Trigonometry                 | 50 | 3.0   | 3.0 | B4      |     |
| CLEP College Mathematics                           | 50 | 0   | 0   | N/A     |     |
|  |    | (Earns credit for MATH 1000-Introduction to College Mathematics ) |     |         |     |
| CLEP English Composition (no essay)                | 50 | 0   | 0   | N/A     |     |
| CLEP English Composition with Essay                | 50 | 0   | 0   | N/A     |     |
| CLEP English Literature                            | 50 | 3.0   | 3.0 | C2      | F11 |
| CLEP Financial Accounting                          | 50 | 3.0   | 0   | N/A     |     |
| CLEP French <sup>7</sup> Level I                   | 50 | 6.0   | 0   | N/A     |     |
| CLEP French <sup>7</sup> Level II                  | 59 | 12.0  | 3.0 | C2      | F15 |
| CLEP French <sup>7</sup> Level II                  | 59 | 9.0   | 3.0 | C2      |     |
| CLEP Freshman College Composition                  | 50 | 0   | 0   | N/A     |     |
| CLEP German <sup>7</sup> Level I                   | 50 | 6.0   | 0   | N/A     |     |
| CLEP German <sup>7</sup> Level II                  | 60 | 12.0  | 3.0 | C2      | F15 |
| CLEP German <sup>7</sup> Level II                  | 60 | 9.0   | 3.0 | C2      |     |
| CLEP History, United States I                      | 50 | 3.0   | 3.0 | D6+US-1 |     |
| CLEP History, United States II                     | 50 | 3.0   | 3.0 | D6+US-1 |     |
| CLEP Human Growth and Development                  | 50 | 3.0   | 3.0 | E       |     |
| CLEP Humanities                                    | 50 | 3.0   | 3.0 | C2      |     |
| CLEP Information Systems and Computer Applications | 50 | 3.0   | 0   | N/A     |     |
| CLEP Introduction to                               | 50 | 3.0   | 0   | N/A     |     |

| Educational Psychology  |                      |  |   |   |  |
|---|----------------------|--|---|---|--|
| CLEP Introductory Business Law  | 50                   | 3.0  | 0   | N/A   |  |
| CLEP Introductory Psychology  | 50                   | 3.0  | 3.0   | D9  |  |
| CLEP Introductory Sociology   | 50                   | 3.0  | 3.0   | D0  |  |
| CLEP Natural Sciences   | 50                   | 3.0  | 3.0   | B1 or B2  |  |
| CLEP Pre-Calculus   | 50                   | 3.0  | 3.0   | B4  |  |
|   |                      | (Earns credit for MATH 1040-Precalculus)           |   |   |  |
| CLEP Principles of Accounting   | 50                   | 3.0  | 0   | N/A   |  |
| CLEP Principles of Macro-economics  | 50                   | 3.0  | 3.0   | D2  |  |
| CLEP Principles of Management   | 50                   | 3.0  | 0   | N/A   |  |
| CLEP Principles of Marketing  | 50                   | 3.0  | 0   | N/A   |  |
| CLEP Principles of Micro-economics  | 50                   | 3.0  | 3.0   | D2  |  |
| CLEP Social Sciences and History  | 50                   | 0  | 0   | N/A   |  |
| CLEP Spanish <sup>7</sup> Level I   | 50                   | 6.0  | 0   | N/A   |  |
| CLEP Spanish <sup>7</sup> Level II  | 63                   | 12.0   | 3.0   | C2  | F15  |
| CLEP Spanish <sup>7</sup> Level II  | 63                   | 9.0  | 3.0   | C2  |  |
| CLEP Trigonometry   | 50                   | 3.0  | 3.0   | B4  | F06  |
| CLEP Western Civilization I   | 50                   | 3.0  | 3.0   | C2 or D6  |  |
| CLEP Western Civilization II  | 50                   | 3.0  | 3.0   | D6  |  |
| <b>Following is a list of IB examinations for which the University grants credit:</b> |                      |  |   |   |  |
| <b>International Baccalaureate (IB) Examination</b>                                   | <b>Passing Score</b> | <b>Minimum Semester Credits Earned<sup>1</sup></b> | <b>Semester Credits Toward GE Breadth Certification</b> | <b>American Institutions and/or GE Breadth Area<sup>2</sup></b> | <b>Removal Date for GE Breadth<sup>3</sup></b> |
| IB Biology HL   | 5                    | 6.0  | 3.0   | B2  |  |
| IB Chemistry HL   | 5                    | 6.0  | 3.0   | B1  |  |
| IB Economics  | 5                    | 6.0  | 3.0   | D2  |  |

|  |   |   |     |          |     |
|--|---|---|-----|----------|-----|
| HL   |   |   |     |          |     |
| IB Geography HL                              | 5 | 6.0   | 3.0 | D5       |     |
| IB History (any region) HL                   | 5 | 6.0   | 3.0 | C2 or D6 |     |
| IB Language A Literature HL                  | 4 | 6.0   | 3.0 | C2       |     |
| IB Language A Language and Literature HL     | 4 | 6.0   | 3.0 | C2       |     |
| IB Language A1 (any language) HL             | 4 | 6.0   | 3.0 | C2       | F13 |
| IB Language A2 (any language) HL             | 4 | 6.0   | 3.0 | C2       | F13 |
| IB Language B (any language) HL <sup>8</sup> | 4 | 6.0   | 0   | N/A      |     |
| IB Mathematics HL                            | 4 | 6.0   | 3.0 | B4       |     |
|  |   | (Earns credit for MATH 2110-Calculus I and MATH 2120-Calculus II) |     |          |     |
| IB Physics HL                                | 5 | 6.0   | 3.0 | B1       |     |
| IB Psychology HL                             | 5 | 3.0   | 3.0 | D9       |     |
| IB Theatre HL                                | 4 | 6.0   | 3.0 | C1       |     |
|  |   |   |     |          |     |

<sup>1</sup>These units count toward eligibility for admission. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

<sup>2</sup>Areas of GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at [assist.org](http://assist.org).

<sup>3</sup>Students seeking certification in GE Breadth prior to transfer must have passed the test before this date.

<sup>4</sup>If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the baccalaureate.

<sup>5</sup>Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 or B2+B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1+B3.

<sup>6</sup>If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.

<sup>7</sup>If a student passes more than one CLEP test in the same language other than English (e.g., two exams in French), then only one examination may be applied to the baccalaureate. For each test in a language other than English, a passing score of 50 is considered "Level I" and earns six units of baccalaureate credit; the higher score listed for each test is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth, as noted.

<sup>8</sup>The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for non-natives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

### Transfer of Credit Earned by Examination

Credit earned by examination at another accredited institution is accepted upon transfer if the units have been accepted by the previous institution as equivalent to specific courses and are not in violation of any other regulation.

## College Level Examination Program (CLEP)

Credit is awarded for successful performance in certain examinations of the College Level Examination Program. Four quarter units may be earned in any of the following examinations, with passing scores as indicated.

| Name of Examination                          | Minimum Passing Score |
|--|-----------------------|
| College Algebra-Trigonometry                 | 49                    |
| Calculus with Elementary Functions           | 51                    |
| General Chemistry                            | 48                    |
| CEEB Advanced Placement Program Examinations | 3, 4, 5               |

Credit for one examination in mathematics may be applied to the mathematics requirement of the general education program. Credit for additional examinations is allocated to electives; acceptance for major, minor, or prerequisite use is granted on approval of the appropriate academic department or division.

## American Chemical Society Examination

Students may earn three semester units of credit by achieving a score at the 50th or higher percentile on the General Chemistry examination offered as part of the American Chemical Society Cooperative Examination Program.

## Appeal of Admission Decision

Section 89030.7 of the California Education Code requires the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted and must also be published on the campus website. Appeal information may be found at <http://www.calstatela.edu/univ/admiss/appeal/>.

## Graduate and Post-Baccalaureate Admission Requirements

### *Admission Requirements*

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

- General Requirements - The minimum requirements for admission to graduate and post baccalaureate studies at a California State University campus are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations.
- Specifically, a student shall at the time of enrollment: (1) have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities; (2) be in good academic standing at the last college or university attended; (3) have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and (4) satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate campus authorities may prescribe. In unusual circumstances, a campus may make exceptions to these criteria.
- Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:
  - **Graduate Classified** - To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or
  - **Graduate Conditionally Classified** - Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, deficiencies may be remedied by additional preparation; or
  - **Post-Baccalaureate Classified, e.g. admission to an education credential program** - Persons wishing to enroll in a credential or certificate program, will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or
  - **Post-Baccalaureate Unclassified** - To enroll in undergraduate courses as preparation for advanced degree



programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as post-baccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program (Most CSU campuses do not offer admission to unclassified post-baccalaureate students).

*(These and other CSU admissions requirements are subject to change as policies are revised and laws are amended. The CSU website [www.calstate.edu](http://www.calstate.edu) and the CSU admissions portal [www.calstate.edu/apply](http://www.calstate.edu/apply) are good sources of the most up-to-date information.)*

Admission to a California State University campus with conditionally classified standing does not constitute full admission to graduate degree curricula. Also, individual colleges and departments or divisions may have additional requirements which students must fulfill before they may be fully accepted into degree, credential, and certificate programs at Cal State L.A.

Most applicants are initially admitted to Cal State L.A. in conditionally classified standing. Those who meet all requirements for any other category may achieve such standing before their first quarter of enrollment. Applicants not regularly admissible may petition for admission by special action as described later in this chapter.

Additional general procedures and regulations that apply to all applicants, graduate and undergraduate, are described earlier in this chapter.

## Special Action Admissions

In unusual circumstances, a campus may make exceptions to admission criteria and grant admission by special action. For special action admission, applicants who were in good standing at the last college attended, but who do not meet the mandated admission requirements may petition for admission by special action if acceptable alternative evidence exists that they possess sufficient academic, professional, and other potential pertinent to their proposed graduate objective. Special action admission may be granted by the appropriate college graduate dean upon recommendation of both the proposed major department or division and college graduate studies committee for any of the following three reasons:

### 1. Applicants Who Lack Minimum Required Grade Point Average

Students admitted by special action to pursue a master's degree program will be admitted to conditionally classified graduate status and must complete specific prerequisites and a minimum of 9 semester units of qualifying courses specified by the major department or division and college graduate dean with a minimum B (3.0 on a scale in which A = 4.0) grade point average, as specified under Requirements for Classified Graduate Standing later in this chapter. Students admitted to pursue a nondegree program (e.g., credential, certificate) must complete special requirements as designated by the major department or division and college graduate dean.

### 2. Graduates of Unaccredited Institutions

A degree from an unaccredited college is not recognized for admission in graduate standing. Graduates of such institutions may be admitted in undergraduate standing if course work completed is deemed acceptable and meets undergraduate admission requirements, and may be granted postbaccalaureate or graduate standing upon satisfaction of the following conditions:

- Meet the minimum University, college, and department or division requirements for admission to classified graduate standing in a degree program.
- Complete a minimum of three upper division courses (at least 9 semester units), specified in advance by the proposed major department or division, with a grade point average of at least B (3.0). These courses may not be 5000 level. Upon recommendation of the department/division/school and the college graduate dean, 4000-level qualifying courses may be applied to the master's degree program.
- Receive the written recommendation of the department or division in which the degree is sought and of the appropriate college graduate dean.
- An applicant with a bachelor's degree from an unaccredited institution and a master's degree from an accredited institution may be admitted as a regular postbaccalaureate or graduate student, assuming that all other requirements have been met and that appropriate approvals have occurred.

### 3. Graduates of Specialized or Professional Schools

Graduates of specialized or professional schools that are professionally accredited are admitted in conditionally classified graduate status. They may be granted classified graduate standing by satisfying the following conditions:

- Meet the minimum University, college, and department or division requirements for admission to classified graduate standing in a degree program.
- Complete a minimum of three upper division qualifying courses (at least 9 semester units), specified in advance by the proposed major department or division, with a grade point average of at least B (3.0). After they have completed

their faculty-approved list of qualifying courses, students may not add any additional courses, nor may they repeat any of the qualifying courses, to raise their grade point average.

- Receive the written recommendation of the department or division in which the degree is sought and of the appropriate College graduate dean.

### *International (Foreign) Student Admission Requirements*

The CSU must assess the academic preparation of foreign students. For this purpose, “foreign students” include those who hold U.S. temporary visas as students, exchange visitors, or in other nonimmigrant classifications.

The CSU uses separate requirements and application filing dates in the admission of “foreign students.” Verification of English proficiency (see the section on TOEFL Requirement for undergraduate applicants), financial resources, and academic performance are each important considerations for admission. Academic records from foreign institutions must be accompanied by certified English translations. For relevant deadlines see <http://www.calstatela.edu/admissions/submitting-transcriptstest-scores-admissions>.

Priority in admission is given to residents of California. There is little likelihood of nonresident applicants, including international students, being admitted either to impacted majors or to those majors or programs with limited openings.

For admission in postbaccalaureate or graduate standing, foreign applicants must fulfill the following minimum requirements:

- Have completed a four-year college course of study and hold an acceptable baccalaureate, or its equivalent, from an accredited institution.
- Have a minimum 2.5 grade point average (A=4.0) in the last 60 attempted semester units equal to that required for admission to classified graduate standing. (The entire semester or quarter in which the 60 semester [90 quarter] units began will be used in this calculation.)
- Have approval of the academic department or division that offers the desired degree program.

International students should contact International Programs and Services for information about housing, financial assistance, and related matters.

## Graduate and Post-Baccalaureate Applications Procedures

All graduate and post-baccalaureate applicants (e.g., Ed.D., joint Ph.D. applicants, master’s degree applicants, those seeking educational credentials or certificates, and where permitted, holders of baccalaureate degrees interested in taking courses for personal or professional growth) must file a complete graduate application as described in the graduate and post-baccalaureate admission materials at [www.calstate.edu/apply](http://www.calstate.edu/apply). Applicants who completed undergraduate degree requirements and graduated the preceding term are also required to complete and submit an application and the \$55 nonrefundable application fee. Since applicants for postbaccalaureate programs may be limited to the choice of a single campus on each application, re-routing to alternate campuses or later changes of campus choice are not guaranteed. To be assured of initial consideration by more than one campus, it is necessary to submit separate applications (including fees) to each. Applications submitted by way of [www.calstate.edu/apply](http://www.calstate.edu/apply) are expected unless submission of an electronic application is impossible. An electronic version of the CSU graduate application is available at [www.calstate.edu/apply](http://www.calstate.edu/apply).

The CSU uses separate requirements and application filing dates in the admission of international (visa) students. For these purposes, international (visa) students are residents of a country other than the United States or who hold visas as students, exchange visitors, or other nonimmigrant classifications.

Some academic departments/divisions require applications to their respective graduate programs in addition to the University admission application and may have earlier deadlines than the University admission application deadline. Applicants should contact individual departments/divisions for further information or refer to individual programs later in this catalog.

Students accepted at Cal State L.A. for postbaccalaureate or graduate study must enroll in the term for which application was made. Applicants who do not register for the term for which they have been accepted will have their admission canceled; see “Reapplication After Failure to Enroll” earlier in this chapter. The application fee may not be transferred or used to apply to another term.

### Application Filing Periods

See <http://www.calstatela.edu/admissions/deadlines> (Not all campuses/programs are open for admission to every term.)

### Filing Period Duration

Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information. Similar information is conveniently available at [www.calstate.edu/apply](http://www.calstate.edu/apply).

### Application filing periods for International (Visa) Applicants

Application filing periods for international (visa) applicants differ from those for domestic applicants because of additional time required in evaluating records and preparing necessary documents for the Bureau of Citizenship and Immigration Services (BCIS). For the applicable filing dates see <http://www.calstatela.edu/international/incoming-students>

The Admissions Officer may waive this advance application requirement if circumstances warrant. In addition to the academic requirements outlined below, international students must have competence in the English language, financial resources adequate to provide for all expenses during their period of study at Cal State L.A., and must be in good health.

### *Application Acknowledgment*

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impaction, supplemental criteria for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

### *Transcript Requirements*

Applicants with either a degree or credential objective must request that two copies of official transcripts be sent to the University from all colleges and universities previously attended, even if no course work was completed. Transcripts from within the U.S. must be received at least 30 days before the first day of the term to which the applicant applies. Documents from outside the U.S. must be received at least 60 days before the first day of the term to which the applicant applies. Processing of applications cannot be guaranteed unless all required documents are received during the designated application period.

All transcripts become University property and will not be released or copied except for students that request that their application be redirected to another CSU campus. Transcripts are retained for one year for applicants who do not enroll in the quarter of application or who send transcripts but do not file an application.

Official transcripts received in an envelope sealed by the issuing institution. For initial advisement purposes, students are recommended to bring their own set of transcripts.

### *Graduate-Postbaccalaureate English Language Requirement*

All graduate and postbaccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL), 80 internet-based TOEFL. Some programs require a higher score. Those who plan to pursue an M.A. degree in Teaching English to Speakers of Other Languages (TESOL) must achieve a minimum TOEFL score of 600 on the paper-based test, 250 on the computer-based test, 100 internet-based TOEFL or IELTS (7.5).

In exceptional cases, the Director of the Office of Admissions and Recruitment may waive the TOEFL score requirement if recommended by the applicant's proposed major department or division and the college graduate dean. Variation from the minimum TOEFL score will be considered only for applicants with a B (3.0) grade point average as evaluated by the Office of Admissions and Recruitment and whose TOEFL score is not more than ten points below 550 on the paper-based test, 6 points below 213 on the computer-based test, or 3 points below 80 on the internet-based test. This consideration does not apply to applicants who are pursuing a M.A. degree in Teaching English to Speakers of Other Languages (TESOL).

Several CSU campuses may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP).

Cal State L.A. minimum respective test standards for graduate applicants are:

**Internet    Paper**

|               |                  |     |
|---------------|------------------|-----|
| TOEFL         | 80 ibt or higher |     |
| Undergraduate | 61               | 500 |
| Graduate      | 80               | 550 |
| IELTS         | Band 6 or higher |     |
| PTE           | 53 or higher     |     |

To obtain TOEFL registration materials, locations and test dates, write to:

Educational Testing Service  
P. O. Box 6154  
Princeton, New Jersey 08541-6151  
[www.toefl.org](http://www.toefl.org)

You also may contact the U. S. embassy in your country for TOEFL information. Request that your TOEFL test results be sent directly to California State University, Los Angeles (institution code 4399).

### Appeal of Admission Decision

Section 89030.7 of the California Education Code requires that the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted, and indicate a time estimate for when the campus expects to respond to an appeal. The appeal procedures must be included in all denial of admission notifications to students, and must also be published on the campus website.

Appeal information may be found at <http://www.calstatela.edu/univ/admiss/appeal/>.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
|--|--|--|--|---|---|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |

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## Student Life

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Faculty and professional staff provide education-related services for students within several centers and offices. These include the [University Academic Advisement Center](#), the [University Tutorial Center](#), the [University Testing Center](#), the [University Writing Center](#), the [Career Development Center](#), the [Student Health Center](#), the [Center for Student Financial Aid](#), the [Office for Students with Disabilities](#), and the offices of [Admissions and Recruitment](#), [International Student Services](#), and [Housing and Residence Life](#). Additional services are provided by various areas of the campus. In addition, many departments, divisions, and colleges offer students opportunities for involvement in campus life.

## Other Services and Programs

- [Anna Bing Arnold Child Center](#)
- [Board of Directors](#)
- [Immigration Counseling Services](#)
- [Opportunities to Study at Other Universities in the U.S. and Abroad](#)
- [Office for Students with Disabilities](#)
- [Assistive Technology](#)

## Children of Disabled Veterans

Students who qualify as children of certain disabled veterans of U.S. military services may be exempted from paying any student services portion of the registration fees, according to the California Education Code. Information about eligibility requirements and applications for waiver of these fees are available in the [Office of Veterans' Services](#).

## Women's and Gender Studies Activities

A wide variety of programs in Women's and Gender Studies are offered through the [Center for the Study of Genders and Sexualities \(CSGS\)](#). Lectures, performances, faculty-research discussions, internships, and research opportunities are all open to students. CSGS invites students to serve on planning committees as well. Students from all majors and minors are eligible to participate.

## Intramurals

The School of Kinesiology and Nutritional Science offers a variable selection of intramural sports and activities for all men and

women at Cal State L.A. Opportunities range from varied recreational interests to competitive intramural leagues. Students may enroll for credit in an intramurals course, [KIN 1100](#) .

## Student Publications

A wide variety of student publications represent the myriad academic and professional interests of Cal State L.A.'s student body. A partial list of these publications appears below. For information about being involved in-or receiving-a particular publication, interested students should contact the appropriate department/division/school.

| Publication  | Department or College Office |
|--|------------------------------|
| <a href="#">Statement</a>                          | English                      |
| <a href="#">University Times</a>                   | Communication Studies        |
| <a href="#">Perspectives: A Journal of History</a> | History                      |



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## Procedures and Regulations

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- [Schedule of Fees Information](#)
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- [Course Numbering System](#)
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- [Grading System](#)
- [Scholastic Status of Undergraduate Students](#)
- [Scholastic Status of Graduate and Postbaccalaureate Students](#)
- [Student Conduct: Rights and Responsibilities](#)
- [Credit Hour](#)

## General Information

Information about University procedures and regulations contained in this section is applicable to all undergraduate students. Some general information also applies to postbaccalaureate and graduate students. Additional procedures and regulations applicable only to postbaccalaureate and graduate students are included in the Graduate and Postbaccalaureate Study section.

### Undergraduate Class Levels

Undergraduate students are classified according to the number of semester units of baccalaureate-level course work they have completed, calculated as follows:

| <u>Class Level</u>    | <u>Semester Units Completed</u> |
|-----------------------|---------------------------------|
| <b>Lower Division</b> |                                 |
| Freshman              | 0-29                            |
| Sophomore             | 30-59                           |
| <b>Upper Division</b> |                                 |
| Junior                | 60-89                           |
| Senior                | 90+                             |

### Quarter Units/Quarter System

Cal State L.A. credits are expressed in semester units; one semester unit normally represents no less than one hour of class work and two or more hours of outside study per week for one semester. One semester unit is equivalent to 1.5 quarter units, and one quarter unit is equivalent to 0.67 semester units.

### Study Load

Undergraduate students must carry a study load of 12 semester units for full-time enrollment certification by the University. The recommended full-time study load for undergraduates is 15 semester units. Students on scholastic probation must limit their study load to 12 semester units or fewer. A student on probation may petition the university for a greater study load with the approval of an academic advisor and department/division chair or school director.

### Campus Identification Number (CIN)

California State University, Los Angeles randomly assigns a nine-digit Campus Identification Number (CIN) to all students in the University. This number is used as a means of identifying records and offering services pertaining to students. The students' Social Security Number will continue to be retained for purposes of financial aid eligibility and other debts payable to the institution.

### *Undergraduate Student Orientation*

All freshmen students enrolling for the first time at Cal State L.A. are required to attend an orientation to the University prior to registering for classes for their first semester of attendance. The orientation will provide information to help students gain a better understanding of the various aspects of University life and learn about policies and procedures as well as, skills and knowledge for success. Student will also learn about appropriate courses for their individual program and register for their first semester. More information is available at the Golden Eagle Orientation Website: <http://www.calstatela.edu/orientation>

### *Registration*

Continuing students at California State University, Los Angeles receive information regarding their registration appointment dates by logging into GET (Golden Eagle Territory). Additional information about registration procedures is provided in the Schedule of Classes, available online each semester before the registration period Web registration (GET) is available to all eligible continuing students.

Students maintain their continuing student status for registration purposes only by attending at least one of the two semesters immediately preceding the semester in which they plan to enroll (excluding the summer term). Students who were admitted and enrolled in one of the last two semesters preceding the semester in which they plan to enroll will also maintain their continuing student status for registration purposes. Absence for more than one of any two consecutive semesters without an approved leave of absence will cancel continuing registration eligibility. See Leaves of Absence later in this chapter.

Attendance in University extension courses does not constitute continuous attendance. Students who attended another college or university during an absence from Cal State L.A., except for a summer session or extension program or approved visitor enrollment at another CSU campus, are required to file an application for admission as a returning student and have official transcripts of work taken sent to the Admissions Office. A nonrefundable application fee is charged. Such students will, if eligible, receive forms to register as returning students.

Students who have graduated with a bachelor's degree from Cal State L.A. and wish to continue in graduate standing are required to file a new application for graduate admission and will, if eligible, receive forms to register as new students.

### *Academic Advisement*

Academic advisement is required for all new students before or during their first semester in attendance. Freshman students must attend Orientation and will receive basic advisement during their Orientation session. Before registering for their first semester at Cal State L.A., transfer students should consult an advisor in their major department/division/school to plan a program of study. Newly admitted students should bring a copy of all high school and/or college transcripts when seeking advisement. They should consult the Schedule of Classes for a list of academic advisors. After the first advisement session, students must consult an academic advisor at least annually or more often as necessary to enhance academic success. Undergraduate students who, upon admission to the University, are unable to select a specific major shall consult an advisor in the University Academic Advisement Center.

By the end of their first year in residence, students must meet with an academic advisor to develop a degree plan. Because the approved degree plan becomes the basis for determining eligibility for the degree, any change in the student's degree plan must have an academic advisor's approval. Annual, or more often as needed, consultation with an academic advisor in the major department/division/school or University Academic Advisement Center is therefore required.

After reaching 60 semester units and before completing 80 semester units, all students are required to meet with an academic advisor to review their progress toward graduation based on an audit of their degree plan. In addition, if students have reached 120 semester units and have not filed a graduation application, they must meet with an academic advisor to develop a plan to help ensure timely and efficient progress toward graduation. The plan will include remaining requirements and dates of future progress checks.

Forms used for change or declaration of major are available online at <http://www.calstatela.edu/registrar/office-enrollment-services-0>. Students may change their major by consulting an adviser in the appropriate academic department/division/school, and by application through the University Academic Advisement Center. They should be aware, however, that a change in major will require that adjustments be made to their degree plan and may delay graduation.

### *Undeclared Majors*



Upon admission, undergraduate students are encouraged to declare a major. Those who have not selected a specific major shall be designated undeclared majors. Before registering for their first semester at Cal State L.A., undeclared majors shall consult an advisor in the University Academic Advisement Center, Library, Palmer Wing 1040A, to plan a preliminary program of study.

All first time freshmen and transfer students who are admitted with less than 20 semester units shall declare a major by the time they complete 30 semester units in residence or three semesters in residence, whichever comes first.

All transfer students must declare and be accepted into a degree program upon matriculation.

Upon declaring a major, students shall meet with an academic advisor to develop a degree plan.

### *Final Examinations*

Final examinations or final class meetings are required in all courses at the time and place shown in the final examination schedule in the *Schedule of Classes*. Any exception in time or place must have written approval of the instructor, department/division/school chair or director, and college dean. Students who find it impossible to take a final examination at the scheduled time may, with the written approval of the instructor, department/division/school chair or director, and college dean, have a special final examination administered.

### *Repeating Courses*

Undergraduate students may repeat a course no more than two times (a maximum of 3 times taking the same course). Undergraduate students who wish to repeat an individual course a second time must create an action plan with the appropriate academic advisor and receive approval from the college associate dean or designee of their major course of study. These limits apply to courses completed at Cal State LA, whether as a matriculated student or through the College of Professional and Global Education or Open University. Repeating courses under this policy does not result in the removal of the original record and grade from the transcript.

Individual colleges and departments/divisions/schools/programs may have additional restrictions on repeating courses. Unless otherwise indicated, undergraduate students may not repeat for credit any course already completed with a grade of C (2.00 grade points) or better and post-baccalaureate or graduate students may not repeat for credit any course already completed with a grade of B (3.00 grade points) or better.

### Repeating Courses for Grade Replacement

Grade replacement is the circumstance under which the new grade replaces the former grade in terms of the calculation of GPA. Grade replacement shall not be applicable to courses for which the original grade was a result of a finding of academic dishonesty.

Students may replace up to a maximum of 16 semester units of repeated coursework and this policy is limited to courses taken at Cal State LA, whether taken in a matriculated status or as coursework, completed through the College of Professional and Global Education or Open University. Grade replacement shall occur only when the same or equivalent course is taken a second or third time at Cal State LA. For purposes of grade replacement, a repeated course is considered equivalent to the original course if the only alteration to the course is its name and/or course number. In the case of different courses with similar content, students must petition the chair of the department offering the original course to verify that the course is an appropriate replacement. In cases where the original course carries a different number of units than the course that will be replacing it, the number of units earned and calculated will be based on the new course.

In computing grade point averages for graduation with a baccalaureate from this institution, units attempted, units earned (if any), and grade points (if any) for up to two previous attempts of the same or equivalent course shall be excluded when conditions specified in this policy are met.

### Repeating Courses with “Grades Averaged”

In addition to the 16 semester units for which grade replacement is permitted, undergraduate students may repeat 12 semester units with the grade earned in the repeated course calculated into the student’s overall grade-point average. The original grade is not replaced by the repeated grade; both grades are used for the calculation of the grade point average and remain on the student’s records.

### *Academic Renewal*

Under certain circumstances, up to two semesters or three quarters of previous undergraduate course work taken at any

college may be disregarded from all considerations associated with requirements for the baccalaureate. Detailed eligibility and procedural information is provided in the *Schedule of Classes*.

The basic criteria are listed below:

- Five years must have elapsed since the completion of the most recent work to be disregarded;
- Any previous removal of work from degree consideration must be included in applying the limits on work that may be disregarded;
- Since completion of the work to be disregarded, students must have maintained the following grade point averages at Cal State L.A. at the time of petition: 3.0 for students with 15-29 semester units completed; 2.5 with 30-44 semester units completed; and 2.0 with 45 or more semester units completed; and
- There must be evidence that the student would find it necessary to complete additional units and enroll for one or more additional semesters to qualify for the baccalaureate if the request was not approved.

Students are advised that they may file a petition to disregard undergraduate course work as described above if their grade point average is lower than C (2.0) in general education, the major, or overall college units attempted (a condition preventing them from qualifying for the degree) and they meet all of the above criteria and conditions.

### *Honorable Dismissal*

Honorable dismissal is granted to all students who are not under financial obligation to the University and who are not under disciplinary probation, suspension, or expulsion. Academic disqualification does not constitute dishonorable dismissal.

### *Petitions for Waiver of Regulations*

Rules and regulations in this catalog have been adopted by the faculty and administration to maintain appropriate academic standards and facilitate the administration of the university's programs. Students who believe that extenuating circumstances might justify the waiver of a particular regulation or requirement may file a petition at their major department/division/school office, according to established procedures, for consideration by a faculty committee. However, provisions of *Title 5, California Code of Regulations*, or other state or federal laws and regulations, are not subject to waiver by petition. Detailed information about procedures and regulations governing petitions are found in the *Schedule of Classes*.

### **Schedule of Fees:**

**CAUTION:** All student fees are subject to change without advance notice. See **Schedule of Classes** or the **on-line catalog** for most current fee listing.

The CSU makes every effort to keep student costs to a minimum. Tuition and fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU must reserve the right, even after tuition or fees are initially charged or initial payments are made, to increase or modify any listed tuition or fees. All listed fees, other than mandatory systemwide tuition, are subject to change without notice, until the date when instruction for a particular semester or quarter has begun. All CSU-listed tuition and fees should be regarded as estimates that are subject to change upon approval by the Board of Trustees, the Chancellor, or the Presidents, as appropriate. Changes in mandatory systemwide fees tuition will be made in accordance with the requirements of the Working Families Student Fee Transparency and Accountability Act (Sections 66028 - 66028.6 of the Education Code).

The costs of attendance at Cal State L.A. are found at <http://www.calstatela.edu/financialaid/cost-attendance>.

Open University fees are found at <http://www.calstatela.edu/openuniversity>

### *Fee Waivers and Exemptions*

The California Education Code includes provisions for the waiver or exemption of mandatory systemwide tuition fees as follows:

Section 66025.3 -Dependent eligible to receive assistance under Article 2 of Chapter 4 of Division 4 of the Military and Veterans Code; child of veteran of the United States military who has a service-connected disability, has been killed in service, or has died of a service-connected disability, and meets specified income provisions; dependent, or surviving spouse (who has not remarried) of a member of the California National Guard who, in the line of duty, and while in the active service of the state, was killed, died of a disability resulting from an event that occurred while in the active service of the state, or is permanently disabled as a result of an event that occurred while in the active service of the state; and undergraduate student who is a recipient of a Medal of Honor, or undergraduate student who is a child of a recipient of a Medal of Honor who is no more than 27 years old, meets the income restriction and California residency requirement.

Section 66602 - Qualifying students from the California State University that are appointed by the Governor to serve as Trustees of the California State University for two-year terms.

Section 68120 - Surviving spouse or child of a deceased public law enforcement or fire suppression and prevention employee who was California resident and was killed in the performance of active law enforcement or fire suppression and prevention duties (referred to as **Alan Pattee Scholarships**), must enroll as an undergraduate student at the California State University and meets income restriction requirement.

Section 68121 - Qualifying students enrolled in an undergraduate program who are the surviving dependent of any individual killed in the September 11, 2001 terrorist attacks on the World Trade Center in New York City, the Pentagon building in Washington, D.C., or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in Section 69432.7 for the Cal Grant A Program and either the surviving dependent or the individual killed in the attacks was a resident of California on September 11, 2001. Students who may qualify for the above benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination. For more information, contact the Cashiers' Office, (323) 343-3630.

**The California Education Code provides for the following nonresident tuition exemptions:**

Section 68075.7 - Nonresident students are exempt from paying nonresident tuition or any other fee that is exclusively applicable to nonresident students if they (1) reside in California, (2) meet the definition of "covered individual" as defined in subsection (c) of Section 3679 of Title 38 of the United States Code, as that provision read on July 1, 2015; and (3) are eligible for education benefits under either the federal Montgomery GI Bill-Active Duty program or the Post-9/11 GI Bill program as each read on July 1, 2015.

Section 68122 - Students who are victims of trafficking, domestic violence, and other serious crimes who have been granted T or U visa status shall be exempt from paying nonresident tuition to the same extent as individuals who are admitted to the United States as refugees under Section 1157 of Title 8 of the United States Code.

Section 68130.5 - Students who are not residents of California are exempt from paying nonresident tuition if they (1) (a) attended high school in California for three or more years, or (b) attained credits earned from a California high school equivalent to three or more years of full-time high school coursework and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of those schools; (2) graduated from a California high school or attained the equivalent; and (3) registered as an entering student or are currently enrolled at a CSU campus. In addition, students without lawful immigration status will be required to file an affidavit stating that they have filed an application to legalize their immigration status, or will file an application as soon as they are eligible to do so. This exemption from paying nonresident tuition does not apply to students who are non-immigrant aliens within the meaning of 8 United States Code 1101(a)(15), except as provided by Section 68122 above.

*Nonresident Teaching Credential Waiver*

Nonresident tuition fees may be waived for persons who hold a valid California credential and are employed by a public school district in this state in a full-time position requiring certification. Eligible persons must meet at least one of the following conditions:

- hold a provisional credential and enroll in courses necessary to obtain another type of credential authorizing service in the public schools;
- hold a partial credential and enroll in courses necessary to fulfill postponed credential requirements; or
- enroll in courses necessary to fulfill requirements for a fifth year of study as prescribed at Cal State L.A.

**Credit Cards:**

Credit cards may be used for payment of student tuition and fees on-line at <https://commerce.cashnet.com/csulapay>

**Refund of Mandatory Fees, Including Nonresident Tuition**

Regulations governing the refund of mandatory fees, including nonresident tuition, for students enrolling at the California State University are included in Section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those systemwide and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University. Refunds of fees and tuition charges for self-support, special session, and extended studies programs or courses at the California State University are governed by a separate policy established by the University, available from the College of Professional and Global Education.

In order to receive a full refund of mandatory fees, less an administrative charge established by the campus, including

nonresident tuition, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available in the Schedule of Classes.

For state-supported semesters, quarters, and non-standard terms or courses of four (4) weeks or more, a student who withdraws during the term in accordance with the university's established procedures or drops all courses prior to the campus-designated drop period will receive a refund of mandatory fees, including nonresident tuition, based on the portion of the term during which the student was enrolled. No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees or nonresident tuition.

A student who, within the campus designated drop period and in accordance with the campus procedures, drops units resulting in a lower tuition and/or mandatory fee obligation shall be entitled to a refund of applicable tuition and mandatory fees less an administrative charge established by the campus.

For state-supported non-standard terms or courses of less than four (4) weeks, no refunds of mandatory fees and nonresident tuition will be made unless a student cancels registration or drops all classes in accordance with the university's established procedures and deadlines, prior to the first day of instruction for state-supported non-standard terms or courses or prior to the first meeting for courses of less than four (4) weeks.

Students will also receive a refund of mandatory fees, including nonresident tuition, under the following circumstances:

- The fees were assessed or collected in error;
- The University canceled the course for which the fees were assessed or collected;
- The University makes a delayed decision that the student was not eligible to enroll in the term for which mandatory fees were assessed and collected and the delayed decision was not due to incomplete or inaccurate information provided by the student; or
- The student was activated for compulsory military service.

Students who are not entitled to a refund as described above may petition the university for a refund demonstrating exceptional circumstances and the chief financial officer of the university or designee may authorize a refund if he or she determines that the fees and tuition were not earned by the university.

Information concerning any aspect of the refund of fees may be obtained from Student Financial Services, Administration 128, (323) 343-3630.

## Disenrollment

Students who have a tuition and fees obligation to the University will be billed. Payment must be made by the due date printed on the billing statement. Failure to pay by the established deadline is cause for disenrollment because of incomplete payment of tuition and fees. Disenrollment means the permanent loss of credit for classes taken for the semester involved. There is no refund of any fees already paid for the semester involved.

Students who fail to complete all required subcollegiate ("remedial") courses during their first year at Cal State L.A. will be disenrolled from the University in compliance with the CSU Chancellor's Office Executive Order 665.

## State University Installment Plan

The CSU is now authorized to collect State University Fee and Nonresident Tuition in installment payments. For additional information about this plan, please see <http://www.calstatela.edu/univ/sfinserv/slsc.php>.

## Fees and Debts Owed to the Institution

Should a student or former student fail to pay a fee or a debt owed to the institution, including tuition and student charges, the institution may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (see Title 5, California Code of Regulations, Sections 42380 and 42381).

Prospective students who register for courses offered by the university are obligated for the payment of charges and fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student charges and fees including any tuition for the reservation of space in the course.

The institution may withhold permission to register or to receive official transcripts of grades or other services offered by the

institution from anyone owing fees or another debt to the institution. The institution may also report the debt to a credit bureau, offset the amount due against any future state tax refunds due the student, refer the debt to an outside collection agency and/or charge the student actual and reasonable collection costs, including reasonable attorney fees if litigation is necessary, in collecting any amount not paid when due.

If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact the campus cashier's office. The cashier's office, or another office on campus to which the cashier's office may refer the person, will review all pertinent information provided by the person and available to the campus and will advise the person of its conclusions.

## Credit Cards

Credit cards may be used for payment of student fees on-line at <https://commerce.cashnet.com/csulapay> .

## Categories of Enrollment

### *Credit by Examination*

Undergraduate students in good standing and officially enrolled in one or more residence courses may challenge courses by taking examinations developed at the campus. Examinations are interpreted broadly to include whatever activity, test, or demonstration an instructor deems appropriate to evaluate comprehension, skills, or knowledge required by the course objectives. Credit shall be granted to students who pass examinations that have been approved for credit systemwide. These include the Advanced Placement Examinations, the CSU English Equivalency Examination, and some CLEP examinations.

Approval of the chair of the department/division/school that offers the course and an instructor for the course is required. Forms for approval are available in Enrollment Services, Administration 146, and must be filed with the Records Office by the eighth week of the semester in which the examination is taken. Additional fees must be paid if the added units alter the total fees due for the semester.

Credit by examination is restricted to undergraduate and graduate courses listed in this catalog. It is without unit limit, but does not count as residence credit. Such credit is not treated as part of the student's workload during a regular quarter and therefore does not require approval for excess study load. Grades received by examination are recorded as final grades on the permanent academic record and are designated as earned through credit by examination.

Credit earned by examination at another accredited institution is accepted upon transfer, if the units have been accepted by the previous institution as equivalent to specific courses and are not in violation of any other regulations.

### *Visitors within California State University (CSU)*

Students who are enrolled at any CSU campus may transfer temporarily to another CSU campus in visitor status if they have completed 12 units with a minimum C (2.0) grade point average at the home campus, are in good standing, and are eligible to register in continuing status. Visitors are approved for one term only, subject to space availability and registration priority policies at the host campus. Enrollment as a visitor may be repeated after re-enrollment at the home campus. This opportunity may be particularly valuable to students whose educational progress can be enhanced or expedited by attending a summer term at Cal State L.A. Concurrent enrollment (see below) is not permitted during visitor status. Visitor applications may be obtained at Student Affairs 101.

### *Concurrent Enrollment within CSU*

Students who are enrolled at any CSU campus may enroll concurrently at another CSU campus if they have completed 12 units at the home campus with a C (2.0) grade point average and are in good standing. Concurrent enrollment is approved for a specific term, subject to space availability and registration priority policies at the host campus. Because of overlap in academic terms of campuses on semester and quarter calendars, concurrent enrollment is subject to combinations and conditions described in the concurrent enrollment application forms available at Student Affairs 101.

### *Open University*

Enrollment through Open University, administered by the College of Professional and Global Education, permits nonmatriculated students to enroll in certain University classes on a space available basis; however, matriculated students in the University who are in continuing status (i.e., students who have registered for at least one of the previous two semesters) may not enroll in degree credit-granting classes offered under state support and made available to students by the College of Professional and Global Education through Open University.

## *Audit Registration*

Regularly enrolled students may register for classes in audit status through add/drop (program change) procedures only as indicated in the *Schedule of Classes* for audit registration. Such registrations are subject to the same fee regulations as registration for credit, and fees must be paid at the time of registration. Registration for a course in audit status is subject to approval of the instructor and is permitted only after students who desire to enroll on a credit basis have had an opportunity to do so.

Regular class attendance is expected, but audit registrants are not required to complete assignments or take examinations. An audit registration may not be changed to a credit registration after the last day to add classes. No entry about audit registration is made on student grade reports or transcripts.

## *Dual Registration*

Undergraduate students who wish to take classes at another accredited college or university, not within The California State University, while enrolled at Cal State L.A. must file a *Notification of Dual Registration* at Student Affairs 101 by the end of the fifth week of the semester involved. This notification must be endorsed by the student's Cal State L.A. major department/division/school academic adviser and the department/division/school chair or director for the course(s) involved. Students are advised, also, to consult official evaluators and advisers at the non-CSU campuses where the work is taken to ensure the transferability of course work. Courses so taken are subject to all regulations and limitations governing transfer credit. To receive bachelor's degree credit for such course work, students must have official transcripts forwarded to the Admissions Office upon completion of the course work.

## *Change of Program*

Students are strongly advised to select classes carefully and to avoid the undesirable necessity of changing their program of study. Adding and dropping classes, including changing sections in the same course, may be done only in accordance with policies, procedures, and time limits stated in the *Schedule of Classes*. Students who fail to follow these procedures incur the risk of a grade of F or WU.

## **Withdrawals and Leaves**

### *Add and Drop Deadlines and Limit on Number of Withdrawals*

*(Senate: 7/31/73, 10/13/81, 10/19/10, 6/22/16; President: 8/9/73, 10/15/81, 11/18/10, 8/16/16)*

Students may add and drop classes without restriction or record through the first 15% of an instructional period.

Drops occurring after the first 15% of an instructional period and prior to the last 20% of an instruction period are considered withdrawals and shall be recorded with a grade of "W" on the student's permanent record transcript. Withdrawals are permitted only for serious and compelling reasons. The student must complete a drop request form, state the reason for withdrawal, and obtain the signatures of the course instructor and the department/division chair or school director. Records of such approvals shall be maintained in accordance with campus record retention policy. Undergraduate students may withdraw from no more than 18 semester-units (27 quarter-units) attempted at Cal State Los Angeles.

Withdrawals shall not be permitted during the final 20% of instructional period except where the cause of withdrawal is due to circumstances clearly beyond the student's control (e.g. serious illness, accident, job transfer, military deployment, etc.) and the assignment of an incomplete is not practicable. Withdrawals of this sort may involve total withdrawal from the University or may involve only one course, except that course grade and credit or an incomplete may be assigned for courses in which sufficient work has been completed to permit an evaluation to be made. Requests for permission to withdraw under these circumstances shall be handled and filed as indicated in the preceding paragraph, except that such requests must also be approved by the appropriate college dean. Such withdrawals shall not count against the 18 semester-unit maximum.

The department/division chair or school director may approve a withdrawal for a student without first obtaining the instructor's signature when the student and the chair and/or director have been unable to contact the instructor after a reasonable good faith effort. In these cases, the chair or director shall notify the instructor of the action and its justification.

Add and drop activity occurring on or after the first day of instruction may incur late payment fees and refund limitations as specified by the office of student financial services and the center for student financial aid and scholarships.

### *Cancellation of Registration or Withdrawal from the Institution*

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term

are required to follow the university's official withdrawal procedures. Failure to follow formal university procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in another academic term. Information on canceling registration and withdrawal procedures is available at Administration 146 or by writing a personal request to the Office of Enrollment Services.

Students who receive financial aid funds must consult with a financial aid officer prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

### *Credit Hour*

As of July 1, 2011 federal law (Title 34, Code of Federal Regulations, sections 600.2 and 600.4) requires all accredited institutions to comply with the federal definition of the credit hour. For all CSU degree programs and courses bearing academic credit, the "credit hour" is defined as "the amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than:

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution, including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours."

A credit hour is assumed to be a 50-minute period. In courses in which "seat time" does not apply, a credit hour may be measured by an equivalent amount of work, as demonstrated by student achievement.

### *Leaves of Absence*

Students may petition for a leave of absence for such reasons as professional or academic opportunities, like travel or study abroad; employment related to educational goals and major fields of study or participation in field study or research projects; medical reasons, including pregnancy, major surgery, and other health-related circumstances; and financial reasons, such as the necessity to work for a specified period to resume study with adequate resources. Petition forms are available at Administration 146.

Evaluation of petitions for leaves of absence takes into account the student's stated plans and the extent to which a leave would contribute to educational objectives. Students are expected to plan their time of return and their activities during the leave. They must also state why it is critical to remain in continuous residence. In the case of medical or financial leaves, they must state how they plan to remain current with or advance in their academic field.

Undergraduate students may request a leave for no fewer than 2 and no more than 4 semesters. Graduate students are granted a maximum of 2 semesters, subject to renewal. Continuing students' allowed absence of 1 semester is included in these maximums.

Petitions must be filed at Administration 146 after action by the department/division/school chair or director (also the college graduate dean in the case of graduate students) no later than 5 weeks before the end of the semester before the proposed leave. Approval entitles students to continuing status for registration purposes if they return no later than the semester specified in their petition. Continuing students who return from a leave are entitled to priority registration privileges and are not required to file an application for readmission.

Undergraduate students retain current catalog requirements for graduation; classified postbaccalaureate and graduate students retain classified standing. Unclassified postbaccalaureate and conditionally classified graduate students who have an approved program on file in their college graduate studies office are subject to the conditions of those programs. All others are subject to the requirements in effect when they return.

### *Transcript of Academic Record*

A transcript of Cal State L.A. course work is issued upon request by the student. For the three options for ordering an official transcript and the accompanying charges, see <http://www.calstatela.edu/registrar/university-records-office>

Copies normally are mailed one week after receipt of request. However, requests that specify inclusion of grades just earned or verification of a degree just awarded cannot be filled until two to three weeks after the end of the semester.

# Course Numbering System

## *Course Numbers*

A four digit number is used to identify the course. The numbering of courses, and especially the assignment of level, is primarily a matter of tradition and faculty judgment. Some departments may choose to utilize the second and third digits of the course number to indicate categories of related courses within a program.

Sub collegiate, undergraduate, graduate, and noncredit courses are numbered as shown below.

**0000-0999** Subcollegiate level (no credit allowed toward requirements for academic degrees).

**1000-2999** Lower division courses (freshman and sophomore level).

**3000-3999** Upper division courses (junior and senior level) that do not earn graduate credit.

**4000-4999** Upper division courses (junior and senior level) that may earn graduate credit for graduate students.

**5000-5999** Graduate courses (graduate level).

**6000-6999** Specialized graduate courses for postgraduate students matriculated in the joint Ph.D. program in Special Education or in any other approved doctoral program.

**\*7000-7999** Courses intended primarily for undergraduate students.

**\*8000-8999** Highly specialized courses intended primarily for graduate students.

**9000-9999** Noncredit courses open to graduate students only.

### **\*Courses for Extension Credit**

*Extension credit courses, which bear 7000 and 8000 series numbers, are highly specialized and have general acceptability for professional advancement. One extension credit unit is equivalent to the same number of contact hours and the same number of non-contact hours required for one unit of degree credit. An academic department may allow up to a maximum of 24 semester units of extension credit to be applied toward degree requirements. Courses in the 7000 and 8000 series are not listed in this catalog. Their descriptions can be obtained from the College of Professional and Global Education.*

## *Course Suffixes*

Some course numbers may have letter suffixes and some are standard throughout the University. These suffixes may be used to indicate special uses of the course within a particular department. However, to the extent possible, departments are encouraged to rely upon the four digit course number and the catalog description to convey the purpose and any special criteria or circumstances related to the offering of a specific course.

A, B, C, D, E A sequence of courses in which A must be taken before B, B before C, etc., unless description indicates otherwise. H Specifically designed for Honors College students

## *Course Prerequisites and Corequisites*

Students are responsible for fulfilling prerequisites and corequisites. The instructor and department/division/school have the authority to waive specific prerequisites and/or corequisites for students who have completed equivalent courses at another institution, who have had equivalent experience (such as work experience), or who possess the requisite skills to proceed with the work of the course. Students should consult the instructor before registering to determine whether the course(s) or experience they present will justify waiver of the stated prerequisite(s) and/or corequisite(s).

## Course Abbreviations

Each academic discipline has an official course abbreviation that is used to identify the discipline in this catalog; on grade reports, transcripts, major program sheets, and many other documents; and in the Schedule of Classes. These course abbreviations, which are listed below, must be used on all program change forms.

|              |      |
|--------------|------|
| Accounting   | ACCT |
| Anthropology | ANTH |
| Arabic       | ARAB |
| Armenian     | ARM  |
| Art          | ART  |



|  |      |
|--|------|
| Arts and Letters                                   | AL   |
| Asian and Asian-American Studies                   | AAAS |
| Astronomy  | ASTR |
| Athletics  | ATHL |
| Biology  | BIOL |
| Business Administration (interdepartmental)        | BUS  |
| Chemistry  | CHEM |
| Chicana (o) and Latina (o) Studies                 | CLS  |
| Child Development                                  | CHDV |
| Chinese  | CHIN |
| Civil Engineering                                  | CE   |
| Classics   | CLAS |
| Communication Disorders                            | COMD |
| Communication Studies                              | COMS |
| Communication (undergraduate and graduate courses) | COMM |
| Computer Information Systems                       | CIS  |
| Computer Science                                   | CS   |
| Counseling   | COUN |
| Criminal Justice                                   | CRIM |
| Curriculum and Instruction                         | EDCI |
| Dance  | DANC |
| Economics  | ECON |
| Education (interdivisional)                        | EDUC |
| Educational Administration                         | EDAD |
| Educational Foundations                            | EDFN |
| Electrical Engineering                             | EE   |
| Elementary Education                               | EDEL |
| Engineering (interdepartmental)                    | ENGR |
| English  | ENGL |
| Finance  | FIN  |
| Food Science and Technology                        | FST  |
| French   | FREN |
| Geography  | GEOG |
| Geology  | GEOL |
| German   | GERM |
| Health and Human Services                          | HHS  |
| Higher Education                                   | EDHI |
| History  | HIST |
| Honors College                                     | HNRS |
| Instructional Technology                           | EDIT |
| Intercultural Proficiency                          | CDIV |
| Italian  | ITAL |
| Japanese   | JAPN |
| Journalism   | JOUR |
| Kinesiology  | KIN  |
| Korean   | KOR  |
| Latin  | LATN |
| Latin American Studies                             | LAS  |

|   |      |
|---|------|
| Liberal Studies                                 | LBS  |
| Library Science                                 | LIBR |
| Management                                      | MGMT |
| Marketing                                       | MKT  |
| Mass Communication                              | MSCM |
| Mathematics                                     | MATH |
| Mechanical Engineering                          | ME   |
| Microbiology                                    | MICR |
| Modern Languages                                | ML   |
| Multimedia                                      | MM   |
| Music   | MUS  |
| Natural and Social Science                      | NSS  |
| Natural Science                                 | NATS |
| Nursing   | NURS |
| Nutritional Science                             | NTRS |
| Pan-African Studies                             | PAS  |
| Philosophy                                      | PHIL |
| Physical Science                                | PSCI |
| Physics   | PHYS |
| Political Science                               | POLS |
| Portuguese                                      | PORT |
| Psychology                                      | PSY  |
| Public Health                                   | PH   |
| Religious Studies                               | RELS |
| Russian   | RUSS |
| Secondary Education                             | EDSE |
| Social Work                                     | SW   |
| Sociology                                       | SOC  |
| Spanish   | SPAN |
| Special Education                               | EDSP |
| Teaching English to Speakers of Other Languages | TESL |
| Technology                                      | TECH |
| Television, Film and Media Studies              | TVF  |
| Thai  | THAI |
| Theatre Arts                                    | TA   |
| Theatre Arts and Dance                          | TAD  |
| University                                      | UNIV |
| Urban Analysis                                  | URBA |
| Urban Learning                                  | ULRN |
| Vietnamese                                      | VIET |
| Women's Studies                                 | WOMN |
| Youth Agency Administration                     | YAA  |

## Grading System

### *Undergraduate Grades*

|                           |  |
|---------------------------|--|
| <b><u>TRADITIONAL</u></b> | Letters A, A-, B+, B, B-, C+, C, C-, D+, D, and D- indicate passing grades; F indicates failure. |
| A, A-, B+, B, B-,         |  |
| C+, C, C-, D+, D,         |  |

|   |  |
|---|--|
| D-, F.  |  |
| <b>NONTRADITIONAL CR/NC or A, A-, B+, B, B-, C+, C.</b> | A, A-, B+, B, B-, C+, C, and CR indicate passing grades. CR, indicating passed with credit, is given for work equivalent to C or better for undergraduate students. NC, indicating no credit, is given for work equivalent to C-, D+, D, D- or F for undergraduate students. |

### *Graduate and Postbaccalaureate Grades\**

|   |   |
|---|---|
| <b>TRADITIONAL A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F.</b> | Letters A, A-, B+, B, B-, C+, and C indicate passing grades; letters C-, D+, D, D-, and F indicate failure.   |
| <b>NONTRADITIONAL CR/NC</b>                                   | CR, indicating passed with credit, is given for work taken by graduate and postbaccalaureate students, including 4000-level courses, that is equivalent to B or better. NC, indicating no credit, is given for work equivalent to B-, C+, C, C-, D+, D, D-, or F, for postbaccalaureate and graduate students. A course in which a postbaccalaureate or graduate student earns a grade below B- must be repeated; grades from both the original course and the repeated course are used in computing the grade point average. |

**Note:**

Effective Fall Quarter 1996, the campus implemented a plus/minus grading policy. Thus, for all continuing students and all students admitted or readmitted to the University, Fall Quarter 1996 or later, plus/minus grades are calculated in both undergraduate and graduate grade point calculations.

\*Graduate students are required to maintain a GPA of 3.0 to remain in good standing. Thus, grades of B- or lower will accrue deficiency points because they are below a 3.0 GPA. Grades of C- and below are failing grades for a graduate student, and no credit is given.

Students who accrue deficiency points with grades of B- and below, including failing grades, will be required to compensate for those deficiencies by attaining grades higher than B in a comparable number of units. Courses with failing grades of C- and below must be repeated for credit; courses with grades of B-, C+, and C receive credit and may not be repeated.

### *Explanation of Undergraduate Course Grades\**

| <b>Grade Symbol</b> | <b>Explanation</b>                                  | <b>Grade Points</b> |
|---------------------|---|---------------------|
| A                   | Superior Attainment of Course Objectives            | 4.0                 |
| A-                  | Outstanding Attainment of Course Objectives         | 3.7                 |
| B+                  | Very Good Attainment of Course Objectives           | 3.3                 |
| B                   | Good Attainment of Course Objectives                | 3.0                 |
| B-                  | Better than Average Attainment of Course Objectives | 2.7                 |
| C+                  | Above Average Attainment of Course Objectives       | 2.3                 |
| C                   | Average Attainment of Course Objectives             | 2.0                 |
| C-                  | Below Average Attainment of Course Objectives       | 1.7                 |
| D+                  | Weak Attainment of Course Objectives                | 1.3                 |
| D                   | Poor Attainment of Course Objectives                | 1.0                 |
| D-                  | Barely Passing of Course Objectives                 | 0.7                 |
| F                   | Nonattainment of Course Objectives                  | 0.0                 |
| CR                  | Credit  | not applicable      |
| NC                  | No Credit   | not applicable      |
| I                   | Incomplete Authorized                               | not applicable      |
| IC                  | Incomplete Charged                                  | 0                   |

|  |                         |                |
|--|-------------------------|----------------|
| WU   | Withdrawal Unauthorized | 0              |
| RP   | Report in Progress      | not applicable |
| W  | Withdrawal              | not applicable |
| RD   | Report Delayed          | not applicable |
| <p><b>Note: A grade of C- or better is needed to satisfy the GE requirement for basic subject courses. This does not apply to meeting the prerequisite for courses that require them to be completed with a grade C or better.</b></p> <p><i>*These explanations do not apply to graduate courses. Graduate students are advised to read carefully the previous table (Graduate and Postbaccalaureate Grades).</i></p> |                         |                |

## Definitions of Administrative Grading Symbols

Marks other than letter grades used to indicate status in courses undertaken have the following meanings:

**CR** is used to denote “**passed with credit**” when no traditional letter grade is given, is assigned to undergraduate grades of C (grade point 2.0 or higher) or better and to graduate grades of B (grade point 3.0 or higher) or better. CR grades are not included in the calculation of the grade point average.

**NC** is used to denote “**no credit**” when no traditional letter grade is given, is assigned to undergraduate grades lower than C (grade point lower than 2.0) and to graduate grades lower than B (grade point lower than 3.0). NC grades are not included in the calculation of the grade point average.

**RP (Report in Progress)** is used for thesis, project, dissertation, and similar approved courses in which assigned work frequently extends beyond one academic term-and may include enrollment in more than one term. The RP indicates that the student’s performance has been evaluated and found to be satisfactory but that further work must be completed before a final grade (or grades) can properly be assigned for any part of the course. Enrollment for more units of credit than the total number of units that can be applied toward the fulfillment of the student’s educational objective is prohibited. The RP symbol shall be replaced with the appropriate final grade within one year of its assignment except for courses associated with the master’s degree thesis (courses numbered 5970, 5980, 5990, and 9000) and with the doctoral dissertation (courses numbered 6980 and 6990) in which case the time limit shall be five years. An RP does not add earned units and does not affect grade point average calculations.

An RP that has not been replaced by a final grade within the prescribed time limit for the course shall be changed to NC. Extensions of time to remove RP grades may be granted by the Curriculum Subcommittee (for undergraduate courses) or the appropriate College Graduate Dean (for graduate courses) for contingencies such as-but not limited to-military service and health problems of an incapacitating nature verified by a physician’s statement.

**W (Withdrawal)** indicates that a student was permitted to drop a course after the “no-record drop” deadline with the approval of the instructor and the department/division/school chair or director. The W carries no connotation of quality of student performance and is not used in calculating grade point averages.

**RD (Report Delayed)** this symbol is used exclusively by the Registrar when a delay in the reporting of a grade is caused by circumstances that are **beyond the student’s control**. The symbol does not imply any academic evaluation. Any “RD” grade must be cleared before the degree can be awarded. Once the degree has been posted, no grade changes can be made to the record.

**I (Incomplete)** is an interim grade designed for students who are passing but who through extenuating circumstances have not been able to complete a portion of the work required for the course. An Incomplete grade shall be assigned at the discretion of the faculty member only when the faculty member concludes that a clearly identifiable portion of course requirements cannot be met within the academic term for unforeseen reasons. An Incomplete shall not be assigned when it is necessary for the student to attend a major portion of the class when it is next offered. An Incomplete is also prohibited where the normal practice requires extension of course requirements beyond the close of the term, e.g., thesis or project type courses. In such cases, the use of the “RP” symbol is required.

A student may not re-enroll in a course for which he or she has received an “I” until that “I” has been converted to a grade other than “I”; e.g., A-F, IC.

It is the responsibility of the student to request a grade of Incomplete from the instructor and to determine from the instructor the remaining course requirements that must be satisfied to remove the Incomplete.

The conditions for removal of the Incomplete including due date shall be specified in writing by the instructor and given to the student with a copy placed on file with the appropriate campus officer until the Incomplete is removed or the time limit for removal has passed. This “Incomplete Grade Agreement” must specify the outstanding course requirements and the final grade to be given based on the evaluation of the outstanding work. This time limitation applies whether or not the student

maintains continuous attendance.

An Incomplete grade may be removed by completing the outstanding work by the date specified on the Incomplete Grade Agreement which shall be within one calendar year after the end of the quarter in which the Incomplete grade was assigned. An Incomplete that is made up within the time period allowed will be replaced on the student's permanent academic record by the letter grade earned followed by an indication that the original grade was an Incomplete and the date that the Incomplete was removed.

Where department policy requires assignment of final grades on the basis of multiple demonstrations of competency by the student, it may be appropriate for a faculty member to submit a letter grade to be assigned in the event the Incomplete is not made up within one year. If the Incomplete is not converted to a credit-bearing grade within the prescribed time limit, or any extension thereof, it shall be counted as a failing grade in calculating grade point average and progress points unless the faculty member has assigned another grade in accordance with campus policy. An Incomplete shall be converted to the appropriate grade or symbol within one year following the end of the term during which it was assigned. However an extension of the one-year time limit may be granted by petition for contingencies such as intervening military service or serious health or personal problems. Any petition for extension of time to remove an Incomplete must be filed within one calendar year immediately after the end of the term in which it was assigned. A petition must include documentation establishing the reasons the course could not be completed prior to the expiration of the initial one year period. Petitions must be signed by the course instructor with an indication whether the instructor recommends the petition be approved or denied. The final decision regarding extension of Incomplete grades rests with the Deans of Graduate or Undergraduate Studies, as appropriate.

An Incomplete that is not removed within the time period allowed will appear on the student's permanent academic record as an "Incomplete Charged" (see next).

**IC (Incomplete Charged)** indicates that an Incomplete has not been removed within the time period allowed and the grade for that course will appear on the student's permanent academic record as an "Incomplete Charged" and will be counted as an F in grade point average calculations, unless the student was enrolled on a credit/no credit basis, in which case the default grade will be a grade of No Credit (NC). An Incomplete that is not removed before the degree is awarded will be charged as an F in the grade point average calculations. Upon expiration of an Incomplete grade, unless the instructor has submitted a letter grade to be assigned upon expiration of the Incomplete, the student's permanent academic record will be modified to reflect the number of units attempted and zero units earned.

**WU (Unauthorized Withdrawal)** indicates that an enrolled student did not withdraw from the course but failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities or both were insufficient to make normal evaluation of academic performance possible. For purposes of grade point average this symbol is equivalent to an F.

### *Nontraditional Grading Options*

Undergraduates may choose to receive grades on a nontraditional basis, either *A, B, C, NC*, or *CR/NC*, under specified conditions. Some courses are graded only nontraditionally, as shown in course descriptions. In addition, students in good standing who have completed at least 9 semester units at Cal State L.A. and students admitted with upper division standing may elect to have some courses graded on either the traditional or the nontraditional basis. *CR* and *NC* grades are not included in grade point average computations.

**CR/NC Option.** Courses for which a student may not elect to be graded on a CR/NC basis are those courses required in the student's major, minor, or credential program and other courses selected to meet general education requirements. A maximum of 30 semester units may be graded CR/NC, whether elected or designated. A maximum of 6 semester units elected CR/NC may be taken in any single semester.

**A, B, C/NC Option.** Courses for which a student may not elect to be graded *A, B, C/NC* are those required in the student's major, minor, or credential program; however, any general education or elective course may be taken with *A, B, C/NC* grading. A maximum of 30 semester units within the total degree program may be graded *A, B, C, NC*, whether elected or designated.

Students may elect to register for a course with a nontraditional grading option up to the last date in the semester to add classes. **The decision to elect an option is irrevocable.** Academic standards are identical for all students who are enrolled in a course, irrespective of the grading option. Instructors are not notified that students have elected nontraditional grading options in their courses; traditional grades are reported and are converted as needed to CR or NC by the Registrar.

## Scholastic Status of Undergraduate Students

### *Grades Required for Credit*

Students are advised that they receive no credit for any course in which they do not earn a grade of *D-* or higher.

### *Grade Point Average Requirements*

Undergraduate students are expected to maintain a *C* (2.0) average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives. Students who receive financial aid should inform themselves of additional criteria defining satisfactory progress by consulting the Center for Student Financial Aid and Scholarships.

### *Grade Point Average*

The grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units attempted. Grade points are assigned for each unit of course work undertaken, as indicated in the Explanation of Undergraduate Course Grades table above. CR and NC grades are not included in grade point average computations.

### *Probation for Undergraduate Students*

Probation is determined separately for academic and administrative-academic deficiencies. Students' probation status is indicated on their class grades for the term viewable online in GET under Academic Standing.

### *Administrative-Academic Probation*

The Office of the Chancellor has made provision whereby students may be placed on administrative-academic probation for any of the following reasons:

- Withdrawal from all or a substantial portion of courses for which they registered in two successive semesters or in any three semesters.
- Repeated failure to progress toward a stated degree or program objective when such failure is within their control.
- Failure to comply, after due notice, with a routine academic requirement or regulation.

Written notice is given of the conditions required for removal from administrative- academic probation, as well as circumstances that would lead to disqualification if probation is not rectified.

#### *Academic Probation*

Students are placed on academic probation at the end of a semester if either their grade point average at Cal State L.A. or their cumulative grade point average in all college work attempted falls below *C* (2.0). They remain on academic probation until their Cal State L.A. and cumulative grade point average is 2.0 or higher or until they are disqualified in accordance with the regulations for academic disqualification.

### *Disqualification of Undergraduate Students*

Disqualification is determined separately for academic and administrative-academic deficiencies. Students' disqualification status is indicated on their grade report.

#### *Academic Disqualification*

Students already on probation or special probation whose Cal State L.A. or cumulative grade point average reaches the following levels are disqualified:

| <b><u>Class Level</u></b>          | <b><u>Grade Point Average</u></b> |
|------------------------------------|-----------------------------------|
| Freshman (0-29 units completed)    | <1.50                             |
| Sophomores (30-59 units completed) | <1.70                             |
| Juniors (60-89 units completed)    | <1.85                             |
| Seniors (90+ units completed)      | <1.95                             |

Disqualified students are required to arrange a disqualification interview with their academic advisor to review the reasons for disqualification, to explore the option of requesting special probation or readmission, and to establish the terms and conditions for recommending special probation or readmission. Undeclared majors will hold this interview with their advisor in the University Academic Advisement Center.

## *Administrative-Academic Disqualification*

The Office of the Chancellor has made provision whereby students placed on administrative-academic probation may be disqualified for any of the following reasons:

- The conditions for removal of administrative-academic probation are not met within the period specified.
- Students become subject to academic probation while on administrative-academic probation.
- Students become subject to a new administrative-academic probation period for the same or similar reasons of a previous probationary period, although not currently in such status.

## *Notification of Disqualification*

Students' notices of disqualification appear on their unofficial transcript in GET. Students who wish to appeal their disqualification should refer to Immediate Reinstatement below. Disqualified students are required to arrange an exit interview with their academic adviser to establish readmission requirements. Undeclared majors will hold this exit interview with their assigned adviser in the University Academic Advisement Center.

## Special Probation

Continuing students who have been disqualified may petition to remain as matriculated students on special probation. To be eligible for special probation, disqualified students must complete the disqualification interview with their academic advisor and obtain the advisor's approval. The advisor must specify on the special probation petition the terms and conditions under which the student will be eligible to be returned to and to remain in matriculated status, such as courses to be repeated, courses to be completed, GPA requirements, and any required workshops and/or tutoring.

A student's initial petition for special probation must be approved by the appropriate department chair, division chair, school director. Subsequent petitions for special probation must be approved as well by the appropriate college or university dean for that student. Students' approved special probation petitions must be received in enrollment services by the specified deadline.

All disqualified students who are placed on special probation are required to earn **better** than a C (2.0) grade point average each semester until their grade point average is increased to a level that is higher than that which would normally cause them to be disqualified according to their class level, at which time they would be switched from special probation to probation.

## Readmission of Disqualified Students

Students who are not eligible for or are denied special probation may petition for readmission. Readmission after disqualification is not automatic. Disqualified students will not be considered for readmission until at least two semesters have elapsed. Students will be eligible for readmission when they have satisfied the terms and conditions established during the disqualification interview as documented in the student's file by the academic advisor, provided that they meet or exceed the following minimum Cal State L.A. and cumulative grade point averages for their class level when they apply:

| <u>Class Level</u>                      | <u>Grade Point Average</u> |
|---|----------------------------|
| Freshmen (0-29 units completed).....    | 1.50                       |
| Sophomores (30-59 units completed)..... | 1.70                       |
| Juniors (60-89 units completed).....    | 1.85                       |
| Seniors (90+ units completed).....      | 1.95                       |

Units earned at an accredited higher education institution while under disqualification can be used to raise the cumulative grade point average above the minimum required for admission. However, any deficiency in the Cal State L.A. grade point average may only be corrected by completing Cal State L.A. courses through Open University or special sessions offered by the College of Professional and Global Education. Students who have not previously been placed on special probation and whose grade point averages do not meet these minimum criteria may be considered for readmission with special probation with the approval of their college dean.

Students who wish to request readmission must provide evidence to their advisor that they have met the terms and conditions specified in their disqualification interview, including official transcripts of all transfer work attempted since disqualification. Advisors who support the request for readmission must specify on the petition for readmission a plan for attaining good academic standing. Students requesting readmission must obtain approval for readmission from the department, division, or school and the college from which they were disqualified. The University Academic Advisement Center and the Office of Undergraduate Studies will rule on petitions for readmission of disqualified students with undeclared majors.

***Disqualified students must file their application for readmission to the University before the appropriate admissions deadline.***

Students who are enrolled but not officially reinstated for the semester after disqualification should file a request for complete withdrawal and full refund of fees by the end of the third week of the semester. Official withdrawal and refund application forms are available at Administration 146. Complete withdrawal may also be accomplished by writing to the Registrar's Office. Registration will be cancelled for disqualified students who are enrolled and do not file a withdrawal request; fees are not returned in these cases.

***Disenrollment for Failure to Complete Required Developmental Courses/Activities***

Executive Order 665 requires that all first-time entering students in the California State University system who are not exempt from the English Placement Test (EPT) and the Entry Level Math (ELM) exam take these exams before enrolling in any courses and, if remediation is required, enroll in appropriate English and/or math course(s) in their first semester of attendance. The policy stipulates that students must continue to enroll in appropriate level course(s)/activities each term until they are eligible for college level English and/or math. Those students who have not completed their developmental courses/activities within one year of matriculation are subject to disenrollment.

## Scholastic Status of Graduate and Postbaccalaureate Students

### *Grades Required for Credit*

Graduate students are advised that they receive no credit for any course in which they do not earn a grade of C or higher. Grades of C- and below are considered failing grades in all graduate programs.

### *Grade Point Requirements*

Graduate students are expected to maintain a B (3.0) average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives. Students who receive financial aid should inform themselves of additional criteria defining satisfactory progress by consulting the Center for Student Financial Aid.

Postbaccalaureate students are expected to maintain a 2.5 average in all courses attempted at Cal State L.A. and any other college or university attended and to make satisfactory progress toward their academic objectives.

### *Grade Point Average*

The grade point average (GPA) is computed by dividing the total number of grade points earned by the total number of units taken for GPA. Grade points are assigned for each unit of course work undertaken, as indicated in the Explanation of Grades table below.

Thus, students who earn a grade of C in a 3-unit course have 3 grade points fewer than the number they would have earned with a grade of B and are, therefore, deficient 3 grade points from a B average (-3 grade points). Students who earn an A grade in a 3-unit course have 3 grade points more than they would have earned with a B grade (+3 grade points). The overall grade point deficiency or surplus can be computed by assigning the number of plus or minus grade points for each unit attempted and adding algebraically. CR and NC grades are not included in grade point average computations.

| <b>Grade Symbol</b> | <b>Explanation</b>   | <b>Grade Points Earned</b>   |
|---------------------|----------------------|------------------------------|
| A                   | Superior             | 4.0 per unit value of course |
| A-                  | Very Good            | 3.7 per unit value of course |
| B+                  | Better Than Average  | 3.3 per unit value of course |
| B                   | Satisfactory/Average | 3.0 per unit value of course |
| B-                  | Unsatisfactory       | 2.7 per unit value of course |
| C+                  | Unsatisfactory       | 2.3 per unit value of course |
| C                   | Unsatisfactory       | 2.0 per unit value of course |
| C-                  | Failing              | 1.7 per unit value of course |
| D+                  | Failing              | 1.3 per unit value of course |
| D                   | Failing              | 1.0 per unit value of course |
| D-                  | Failing              | 0.7 per unit value of course |
| F                   | Failing              | 0.0 per unit value of course |



## *Academic Probation for Postbaccalaureate and Graduate Students*

Postbaccalaureate and graduate students are subject to academic probation if their grade point average falls below the levels specified below either in course work on their master's degree program or in all units completed after becoming classified, whether or not the course work is taken at Cal State L.A.

- Classified and conditionally classified graduate students are expected to maintain a b (3.0) grade point average in course work on their master's degree program and in all courses completed after admission to the program.
- Postbaccalaureate classified and postbaccalaureate unclassified students are expected to maintain a 2.5 grade point average in all course work taken after admission to Cal State L.A., whether or not the course work is taken at Cal State L.A.

### Administrative-Academic Probation.

The Office of the Chancellor has made provision whereby students may be placed on administrative-academic probation for any of the following reasons:

- Withdrawal from all or a substantial portion of courses for which they registered in two successive semesters or in any three semesters.
- Repeated failure to progress toward a stated degree or program objective when such failure is within their control.
- Failure to comply, after due notice, with a routine academic requirement or regulation.

Notice is given in writing of the conditions for removal from administrative-academic probation, as well as circumstances that would lead to disqualification should probation conditions not be rectified.

### Disqualification Regulations for Postbaccalaureate and Graduate Students

Postbaccalaureate and graduate students who are on academic probation and who do not meet the requirements of their probation are subject to disqualification in accordance with the following guidelines:

- Classified and conditionally classified graduate students who are on academic probation are subject to disqualification from pursuing the master's degree program in which they were classified if after being placed on scholastic probation they do not raise their average to B (3.0) after completion of 12 semester units or two semesters in residence, whichever comes later.
- Classified and conditionally classified graduate students whose grade point average falls more than nine grade points below B (3.0) will be disqualified from pursuing the master's degree program in which they were classified.
- Students who are disqualified from a master's degree program may not reenter that program. They may be admitted to another program only on the recommendation of the new major department/division concerned and with the approval of the appropriate college graduate dean.
- Postbaccalaureate classified and postbaccalaureate unclassified students who are on academic probation are subject to disqualification from pursuing course work at Cal State L.A. IF they do not raise their average to 2.5 after completion of 12 semester units or two semesters in residence, whichever comes later.
- All units earned in the semester in which the twelfth unit is completed will be used in computing the grade point average.
- Students disqualified for scholarship deficiency may not enroll in any regular semester at Cal State L.A. without permission from the appropriate college graduate dean and may be denied admission to other educational programs operated or sponsored by the campus.
- Students who are enrolled in graduate degree programs, credential programs, and postbaccalaureate credit certificate programs are not eligible for Academic Renewal.
- Postbaccalaureate students who are pursuing a second or subsequent baccalaureate are subject to the same probation and disqualification standards as seniors. These are outlined in the Procedures and Regulations section near the front of this catalog.

The Office of the Chancellor has made provision whereby postbaccalaureate and graduate students who are on academic-administrative probation may be disqualified for any of the following reasons:

- The conditions for removal of administrative-academic probation are not met within the period specified.
- Students become subject to academic probation while on administrative-academic probation.
- Students become subject to a new administrative-academic probation period for the same or similar reasons of a previous probationary period, although not currently in such status.

# Student Conduct: Rights and Responsibilities

## *Standards for Student Conduct*

The University is committed to maintaining a safe and healthy living and learning environment for students, faculty, and staff. Each member of the campus community should choose behaviors that contribute toward this end. Students are expected to be good citizens and to engage in responsible behaviors that reflect well upon their university, to be civil to one another and to others in the campus community, and to contribute positively to student and university life.

Student behavior that is not consistent with the Student Conduct Code (Subsection 41301 of Title 5, *California Code of Regulations*) is addressed through an educational process that is designed to promote safety and good citizenship and, when necessary, impose appropriate consequences. Reports of student misconduct should be directed to the Judicial Affairs Officer in the Student Affairs Building, Room 117. Please refer to Appendix E in the University Catalog for a detailed list of the grounds upon which student discipline can be based. Copies of the Student Conduct Code (aka Standards for Student Conduct) and the Student Conduct Procedures (CSU Executive Order 1043), which govern enforcement of these regulations, are also available in the Student Affairs Building, Room 117 or online at <http://www.calstatela.edu/univ/stuaffrs/jao/>

## *Academic Honesty*

The University in its quest for truth and knowledge embraces honesty and integrity. These fundamental values must not be compromised. The trust and respect among professors, students and the society need to be vigilantly protected. Cheating and plagiarism can be neither justified nor condoned as this would destroy the ideals and purposes of higher education. Students enter the University to gain the knowledge and tools necessary for participation in society. Academic integrity is one foundation for a society based on trust and honesty. Therefore, the University takes seriously its responsibility for academic honesty.

The following are included as violations of the Academic Honesty Policy (See Appendix D in the University Catalog):

- **Cheating**-the act of obtaining or attempting to obtain credit for academic work through the use of any dishonest, deceptive, or fraudulent means.
- **Plagiarism**-the act of using ideas, words, or work of another person or persons as if they were one's own, without giving proper credit to the original sources.
- **Misrepresentation**-Knowingly furnishing false academic information to a University official, faculty member, or campus office.
- **Collusion**-Any student who intentionally helps another student perform any of the above acts of cheating, plagiarism or misrepresentation.

### **Academic Consequences:**

Faculty have the right to establish the standards by which the academic performance of students will be evaluated, including the consequences of students not meeting some portion or all of the academic requirements of a course through acts of cheating, plagiarism, misrepresentation or collusion. These consequences may include but are not limited to assigning a lowered grade, zero or "F" on an individual assignment, or lowering the student's grade or assigning an "F" in the course. Faculty may alternatively permit the student to repeat an assignment/test or complete and submit additional assignments.

### **Administrative Sanctions:**

Cheating, plagiarism, or other forms of academic dishonesty that are intended to gain unfair academic advantage also violate the Student Conduct Code (Subsection 41301 of *Title 5, California Code of Regulations*). To that end, violations of the Academic Honesty Policy should also be reported to the Judicial Affairs Officer. The University can impose administrative sanctions in addition to academic consequences. As stipulated in Executive Order 1043, Student Conduct Procedures, among other places, cheating, plagiarism, misrepresentation or collusion, in connection with an academic program or campus may warrant, but is not necessarily limited to Disciplinary Probation, Suspension or Expulsion. Repeat offenders will receive particular consideration for administrative sanctions. Please note that a record of all disciplinary charges, including cheating and plagiarism, will be maintained in the Judicial Affairs Office for a minimum of five years. Disciplinary files are separate from academic files and subject to disclosure to third parties by prior written consent of the student, or a court ordered subpoena.

### **Reporting Procedures:**

When satisfied that a reasonable evidentiary standard has been met and as soon as possible after discovering the alleged violation, the faculty member should arrange an office conference in order to inform the student of the allegations and the intended academic consequences of the violations. At the conference, the student should be informed of the supporting evidence, the intended consequences and the Academic Honesty Policy.

In the event that the student disputes the findings of academic dishonesty, he or she shall be given the opportunity to respond (orally or in writing). The faculty member must consider any information or evidence that the student presents during or after the conference, and determine whether or not such information or evidence mitigates or refutes the charge of academic dishonesty. In every case, the student shall have 10 days beyond the date of the conference to respond to the allegations, before a report is made to the University Judicial Affairs Office (as outlined in section III-3 of the Academic Honesty Policy).

#### **Appeal Procedures:**

At the conference, the student should also be informed of the University's Grade Appeals/Academic Grievance Policy. Under that policy, the student may appeal the determination that he or she has committed academic dishonesty, the academic consequences stemming from such a determination or the administrative sanctions.

Please refer to the Academic Honesty Policy and the Grade Appeals/Academic Grievance Policy for complete procedures and details. Copies of these policies are available in the Student Affairs Building, Room 117 or online at:

<http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Grade Appeals/Academic Grievances**

Students wishing to appeal a course grade or other academic decision should refer to the Grade Appeals/Academic Grievance Policy. The purpose of this policy is to establish fair and equitable means by which matriculated students may appeal assigned course grades and other academic decisions. Non-Academic grievances filed by matriculated students should follow the procedures outlined in the Student Grievance Procedures.

Please refer to the Grade Appeals/Academic Grievances Policy for complete procedures and details. Copies of this policy are available in Student Affairs, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Non-Academic Student Grievances**

A grievance is a formal complaint by a student arising from an alleged unauthorized or unjustified act or decision by a member of the faculty, staff, and/or management employee which adversely affects the status, rights, or privileges of a student. Student Grievance Procedures have been established to provide safeguards that protect the rights of all concerned parties and insure that grievances are handled fairly. These procedures are one channel for solving problems; however, they should not take the place of negotiating in good faith or open, honest communication.

To that end, students are expected to attempt to resolve the dispute informally before filing a formal grievance. The procedures and timelines for informal resolution are outlined in the Student Grievance Procedures. In the event that they are not able to resolve the matter informally, students may file a formal grievance to be considered by the University Student Grievance Committee (USGC). The formal grievance should be submitted to the Judicial Affairs Officer, located in the Student Affairs Building, Room 117.

Please refer to Appendix I in the University Catalog for a copy of the official Student Grievance Procedures. Copies of this policy are also available in Student Affairs, Room 117 or online at: <http://www.calstatela.edu/univ/stuaffrs/jao/>

### **Student Rights and Responsibilities**

The Statement of Student Rights and Responsibilities enumerates the rights guaranteed to, and the responsibilities of, all Cal State L.A. students. These include, but are not limited to Academic Advisement, Freedom of Expression, Academic Evaluation, Instructional Practice, Writing and Plagiarism, Access to Official Records and Information, Freedom of Information, Freedom of Access to Higher Education and Freedom of Association.

Please refer to Appendix J in the University Catalog for a copy of the official Statement of Student Rights and Responsibilities. Copies of this document are also available in the Student Affairs Building, Room 117 or online at:

<http://www.calstatela.edu/univ/stuaffrs/jao/>

### ***Policy on the Prohibition of Sexual Harassment***

California State University, Los Angeles, will take action to prevent and eliminate sexual harassment, as mandated by Chancellor's Executive Order No. 927.

Sexual harassment is conduct subject to disciplinary action, including termination. Sexual harassment\* includes but is not limited to:

- Unwanted sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature.
- Any act that contributes to a workplace or learning environment that is hostile, intimidating, offensive, or adverse to persons because of the sexual nature of the conduct.
- Conditioning an act, decision, evaluation, or recommendation on the submission to or tolerance of any act of a sexual

nature.

Although this policy focuses on the treatment of persons lacking or holding lesser authority by persons possessing greater authority, it does not preclude the possibility that sexual harassment may also be perpetrated by persons lacking or holding lesser authority, e.g., employees, students, or applicants. In determining whether conduct constitutes sexual harassment, the circumstances surrounding the conduct are considered.

The prohibition against sexual harassment applies to all transactions of University business, whether on or off campus.

Individuals with supervisory authority are responsible for reporting a formal complaint about sexual harassment to the Office for Equity and Diversity. Failure to do so may lead to appropriate administrative action.

Specific rules and procedures for reporting charges of sexual harassment and for pursuing available remedies are available in the following locations: Office for Human Resources Management, Office for Equity and Diversity; Office of the Vice President for Student Affairs; University Counseling Center; and Women's Resource Center.

For questions about sexual harassment, please contact the Office for Equity and Diversity, Administration 606, (323) 343-3040.

*\*The parameters of "sexual harassment" are legally defined by State and Federal statutes and Court decisions. While the policy set forth above describes actions, which fall generally within the scope of "sexual harassment," all CSU employees and students are required to conduct themselves in a manner that avoids sexual harassment as defined by State and Federal law.*

### SEXUAL HARASSMENT COMPLAINT:

If you feel you have experienced sexual harassment, please make your concern known. You may file a complaint with the Office for Equity and Diversity located in Administration 606 or contact the Office at (323) 343-3040. All complaints of alleged sexual harassment are investigated according to guidelines established in Executive Order 1045, see OLD-Appendix L - CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### *Campus Nonviolence Policy*

California State University, Los Angeles is committed to creating and maintaining a working, learning, and social environment for all members of the University community that is free from violence.

Civility, understanding, and mutual respect toward all members of the University community are intrinsic to excellence in teaching and learning, to the existence of a safe and healthful workplace, and to maintenance of a campus culture and environment that serves the needs of its many constituencies. Threats of violence or acts of violence not only impact the individuals concerned, but also the mission of the University to foster higher education through open dialogue and the free exchange of ideas. The University prohibits and will take decisive action to eliminate verbal harassment, violent acts, threats of violence, or any other behavior that by intent, action, or outcome harms another person. Such conduct is subject to disciplinary action up to and including dismissal from employment, expulsion from the University, or civil or criminal prosecution as appropriate.

The University has no tolerance for violence against and by members of the University community. To fulfill this policy, the University will work to prevent violence from occurring and will ensure that federal and state laws, as well as University regulations prohibiting violence, are fully enforced. In determining whether conduct constitutes a credible threat or act of violence, the circumstances surrounding the conduct will be considered.

Established University faculty, staff, and student and Department of Public Safety procedures will serve as mechanisms for resolving situations of violence or threats of violence. Each allegation of violence or threat of violence will be taken seriously. Individuals are encouraged to report acts of violence, threats of violence, or any other behavior that by intent, act or outcome harms another person.

*Approved by the Cal State L.A. Academic Senate and President James M. Rosser - Summer 1996*

### *Compliance with Americans with Disabilities Act (ADA)*

California State University, Los Angeles, does not permit discrimination on the basis of disability in admission to, access to, or operation of its instruction, programs, services, or activities, or in its hiring and employment practices. Also, the University does not permit harassment based on a protected disability. In addition, the University does not permit discrimination or harassment based on an applicant's, employee's, or student's relationship with or association with anyone with a known protected

disability.

Upon request, the University will consider reasonable accommodation(s) when needed to facilitate the participation of persons with protected disabilities. Reasonable accommodations will be considered to permit individuals with protected disabilities to: (a) complete the admission/ employment process; (b) perform essential job functions; (c) participate in instruction, programs, services or activities; and, (d) enjoy other benefits and privileges of similarly-situated individuals without disabilities.

Questions, concerns, complaints and requests for reasonable accommodation or additional information may be forwarded to the Office for Equity and Diversity, the campus office assigned responsibility for compliance with the ADA. The Office for Equity and Diversity is located in Administration 606 and is open Monday through Friday, 8:00 a.m. to 5:00 p.m., (323) 343-3040, or TDD: (323) 343-3670.

Familiarity with the institution's rules and regulations published in this catalog shall be the responsibility of each student and faculty member, and of those administrators concerned with academic matters.

## Reasonable Academic Program Accommodations for Students with Disabilities & Guidance and Recommendations for Faculty and Staff Regarding Service Animals

Under Title II of the Americans with Disabilities Act (ADA) of 1990, as amended, and Sections 504 & 508 of the Rehabilitation Act of 1973, as amended, and Executive Order 926, California State University, Los Angeles, has the legal responsibility to provide reasonable academic adjustments and/or auxiliary aids to students with disabilities.

The University will provide reasonable academic adjustments and auxiliary aids to accommodate students with disabilities when appropriate. The process is outlined in the enclosed ***Procedure for Reasonable Academic Program Accommodations***. The process calls for consultation between the student, OSD, program faculty, and University administrators in the approval and implementation of accommodations. While the development of the accommodation(s) is collaborative, the University emphasizes that an OSD-approved academic adjustment or auxiliary aid cannot be unilaterally denied to a student. For additional details please visit, [http://web.calstatela.edu/univ/osd/table\\_of\\_contentsIII.php](http://web.calstatela.edu/univ/osd/table_of_contentsIII.php).

The enclosed ***Guidance and Recommendations for Faculty and Staff Regarding Service Animals*** delineates the requirements for service animals and the utilization of assistance animals. In addition, there are helpful suggestions and resources for addressing concerns that may arise regarding the use of service animals in the classroom and other instructional settings.

Questions about the ADA, Sections 504 & 508, academic program adjustment procedures or the use of service animals should be directed to OSD (323)343-3140.

### ***ADA Complaint***

If you feel you have experienced discrimination or harassment due to your protected disability in connection with your association with the University, please make your concerns known. You may file a complaint with the Office for Equity and Diversity, located in Administration 606. All complaints of discrimination based on a student's disability status, including denial of reasonable accommodation are investigated under the guidelines of Executive Order 1045, see OLD-Appendix L - CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be treated carefully, and investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### ***Nondiscrimination Statement***

California State University, Los Angeles, affirms its commitment to equality of opportunity for all individuals. This commitment requires that no discrimination shall occur in any program or activity of the University on the basis of race, color, religious creed, national origin, sex, ancestry, physical disability (including HIV and AIDS), mental disability, medical condition, pregnancy, age (over 40), marital status; political affiliation, sexual orientation, disabled veteran's status, recently separated veteran, armed forces services medal veteran and other protected veteran, or any other classification that precludes a person from consideration as an individual. Further, the University's commitment requires that no retaliation shall occur because an individual filed a complaint of discrimination or in some other way opposed discriminatory practices, or participated in an investigation related to such a complaint. This policy is in accord with Title VII of the Civil Rights Act of 1964, as amended, Title IX of the Educational Amendments of 1972, as amended, Sections 503 and 504 of the Rehabilitation Act of 1973, the Americans with Disabilities Act of 1990, the Vietnam Era Veterans' Readjustment Act of 1974, and related administrative regulations and executive orders. Inquiries concerning the application of Title IX, Sections 503 and 504, and other nondiscrimination laws may be referred to the Office for Equity and Diversity (Telephone: [323] 343-3040), the campus office

assigned the administrative responsibility of reviewing such matters. Title IX inquiries may also be directed to the Regional Director of the Office for Civil Rights, Region IX, Old Federal Building, 50 United Nations Plaza, Room 239, San Francisco, CA 94102.

### *Discrimination Complaint*

If you feel you have experienced discrimination or harassment due to race, color, religion, national origin, sex, sexual orientation, gender identification, marital status, pregnancy, age, disability, or veteran status in connection with your association with the University, please make your concerns known. You may file a complaint with the Office for Equity and Diversity, located in Administration 606. All complaints of discrimination, harassment and retaliation are investigated under the guidelines of Executive Order 1045, see OLD-Appendix L - CSU Systemwide Discrimination Policy for detailed information.

Your concerns will be treated carefully and be investigated promptly, thoroughly, and objectively. If corrective action is appropriate, it will be taken. No action will be taken against you for filing your complaint, so long as you believe the complaint to be valid.

### *Consensual Sexual Relations between Faculty and Students\**

(Senate: 7/29/97; President: 12/4/97)

“Sexual relations between students and faculty members with whom they also have an academic or evaluative relationship are fraught with the potential for exploitation. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in an academic or evaluative role, make voluntary consent by the student suspect. Even when both parties initially have consented, the development of a sexual relationship renders both the faculty member and the institution vulnerable to possible later allegations of sexual harassment in light of the significant power differential that exists between faculty members and students.”

“In their relationships with students, members of the faculty are expected to be aware of their professional responsibilities and avoid apparent or actual conflict of interest, favoritism, or bias.”

It is unprofessional conduct for a faculty member to engage in any sexual relationship with a student while he or she is enrolled in that faculty member’s class, or if a faculty member is acting in any other capacity that may directly affect the student’s academic career.

Failure to follow these standards will be grounds for investigation for disciplinary action.

*\*the language in quotation marks is the statement that was adopted by the 81st annual meeting of A.A.U.P.*

### *Student Use of Human Subjects or Animals*

Students, like all others in the University community, must follow established University and federal guidelines when using human subjects or animals either in research or as part of a course activity. Prior approval by either the Institutional Review Board for research involving human subjects or the Institutional Animal Care and Use Committee for research involving animals must be obtained. The committees meet at regularly scheduled times and it is crucial to give notice of the impending research or course use as far in advance as possible.

For further information, please contact the Office of Research and Development (323) 343-3978 or visit its Website at [www.calstatela.edu/academic/aa/orad/](http://www.calstatela.edu/academic/aa/orad/).

### *Immigration Requirements for Licensure*

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (P.L. 104-193), also known as the Welfare Reform Act, includes provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the new Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information concerning the regulation is available from the International Office (323) 343-3170.

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## Academic Department, Division, School and Program Offices - Listed by College

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*\* Because of construction and renovation, some offices may be housed elsewhere temporarily; however, the phone numbers remain the same.*

| <i>Department/Division/School/Program</i>  | <i>Program Coordinator<br/>Department/Division Chair</i> | <i>Location*</i> | <i>Extension**</i> |
|--|--|------------------|--------------------|
| <b>Academic Affairs</b>  |  |                  |                    |
| Provost and Vice President   | Lynn Mahoney   | Adm 713          | 3-3800             |
| Vice Provost for Planning and Budget   | Amy Bippus   | Adm 715          | 3-3820             |
| Vice Provost for Enrollment Services   | Tom Enders   | Adm 702          | 3-3800             |
| Vice Provost for Diversity and Engaged Learning and University's Chief Diversity Officer for Academic and Student Life | Octavio Villalpando                                      | Adm 713          | 3-3800             |
| Dean, Graduate Studies   | Karin Elliott-Brown                                      | LIB N<br>A124    | 3-3820             |
| Director of Research and Development   | Jason Shiotsugu  |                  |                    |
| Associate Vice President for Academic Affairs  | Michael Caldwell   | Adm 707          | 3-3810             |
| Director, Institutional Research   | Mark Pavelchak   | Adm 710          | 3-2730             |
| Associate Director, Institutional Research   | Michele Dunbar   | Adm 702          | 3-2730             |
| Dean, Undergraduate Studies  | Michelle Hawley  | Adm 725          | 3-3830             |
| Associate Dean   | Margaret Garcia  | Adm 725          | 3-3830             |
| Director, University Academic Advisement Center  | Marcia Murota  | Lib PW<br>1040A  | 3-3150             |
| Director, University Testing Center  | Suzanne McEvoy   | Lib PW<br>2089   | 3-5100             |
| Director, University Tutorial Center   | Howard Masuda  | Lib S<br>1062A   | 3-3971             |
| Director, University Writing Center  | Iris Aceves  | Lib S 2097       | 3-5350             |
| Director, Smart Start  | Maria Molina   | LIB N<br>1034    | 3-3184             |
| Director, Writing Across the Curriculum  | Christopher Harris                                       | E&T A612         | 3-4157             |

## College of Arts and Letters

|  |   |          |        |
|--|---|----------|--------|
| Dean   | Rennie B. Schoepflin ( <i>Interim</i> ) | MUS 229  | 3-4001 |
| Associate Dean                                       | David Connors ( <i>Interim</i> )        | MUS 230  | 3-4004 |
| Art  | Mika Cho                                | FA 329   | 3-4013 |
| Communication Studies                                | David Olsen                             | MUS 104  | 3-4200 |
| English  | James Garrett                           | E&T A604 | 3-4290 |
| Liberal Studies ( <i>interdisciplinary program</i> ) | Patrick Sharp                           | E&T A405 | 3-4100 |
| Modern Languages & Literatures                       | Sachiko Matsunaga                       | KH D1054 | 3-4230 |
| Music, Theatre, & Dance                              | David Connors                           | MUS 127  | 3-4060 |
| Philosophy   | Talia Bettcher                          | E&T A423 | 3-4179 |
| Television, Film, & Media Studies                    | John Ramirez                            | MUS 245  | 3-4207 |

## College of Business and Economics

|                                   |                   |          |        |
|-----------------------------------|-------------------|----------|--------|
| Dean                              | James A. Goodrich | ST F124  | 3-2800 |
| Associate Dean                    | Edward Hsieh      | ST F124  | 3-2800 |
| Associate Dean                    | Angela Young      | ST F124  | 3-2800 |
| Director, Student Services        | (Vacant)          | SH C256B | 3-5262 |
| Advisement Center - Undergraduate | (Vacant)          | SH C256B | 3-5262 |
| Advisement Center - Graduate      | (Vacant)          | SH C256B | 3-5156 |
| Accounting                        | Kathryn Hansen    | SH C256B | 3-5156 |
| Economics and Statistics          | Miles Finney      | ST F517  | 3-2830 |
| Finance, Law and Real Estate      | James Refalo      | ST F717  | 3-2846 |
| Healthcare Management (program)   | Andre Avramchuk   | ST F707  | 3-2905 |
| Information Systems               | Nanda Ganesan     | ST F603  | 3-2978 |
| Management                        | Angela Young      | ST F717  | 3-5256 |
| Marketing                         | Tyrone Jackson    | ST F908  | 3-2970 |

## Charter College of Education

|   |                        |          |        |
|---|------------------------|----------|--------|
| Dean                                      | Cheryl Ney             | KH D2069 | 3-4300 |
| Associate Dean                            | Diane Fazzi            | KH D2070 | 3-4303 |
| Applied and Advanced Studies in Education | Anne Hafner            | KH C2098 | 3-4332 |
| Curriculum and Instruction                | Frederick Uy           | KH C2097 | 3-4353 |
| Special Education and Counseling          | Holly Menzies (Acting) | KH C1064 | 3-4400 |

## College of Engineering, Computer Science, and Technology

|                                     |                   |          |        |
|-------------------------------------|-------------------|----------|--------|
| Dean                                | Emily L. Allen    | E&T A236 | 3-4500 |
| Associate Dean                      | Jane Dong         | E&T A236 | 3-4510 |
| Civil Engineering                   | Rupa Purasinghe   | E&T A212 | 3-4450 |
| Computer Science                    | Raj Pamula        | E&T A324 | 3-6690 |
| Electrical and Computer Engineering | Fred Daneshgaran  | E&T A341 | 3-4470 |
| Mechanical Engineering              | Darrell Guillaume | E&T A205 | 3-4490 |
| Technology                          | Keith Mew         | E&T A337 | 3-4550 |

## Rongxiang Xu College of Health and Human Services

|   |                              |          |        |
|---|------------------------------|----------|--------|
| Dean  | Ron Vogel ( <i>Interim</i> ) | FA 130   | 3-4600 |
| Associate Dean  | Denise Herz                  | FA 130   | 3-4600 |
| Associate Dean  | Rita Ledesma                 | FA 130   | 3-5281 |
| Child and Family Studies  | Kaveri Subrahmanyam          | E&T A535 | 3-4677 |
| Communication Disorders   | Miles Peterson               | KH B119  | 3-4693 |
| Criminal Justice and Criminalistics                                   | Katharine Tellis             | HDFC244  | 3-4624 |
| Kinesiology and Nutritional Science                                   | Anne Larson                  | PE 206   | 3-4668 |
| Nursing   | Lorie Judson                 | ST F417  | 3-4718 |
| Public Health   | Walter Zelman                | ST F302  | 3-4740 |
| Social Work   | Evaon Wong-Kim               | STF 816  | 3-4687 |
| Robert L. Douglass Speech-Language and Cal State L.A. Hearing Clinics | Cari Flint                   | KH B119  | 3-4690 |

## College of Natural and Social Sciences

|  |                      |              |        |
|--|----------------------|--------------|--------|
| Dean   | Pamela S. Johnson    | ASC B<br>223 | 3-2000 |
| Associate Dean   | Nancy McQueen        | ASC B<br>223 | 3-2052 |
| Associate Dean   | Mike Soldatenko      | ASC B<br>223 | 3-2545 |
| Anthropology   | René Vellanoweth     | KH C4068     | 3-2148 |
| Asian and Asian American Studies (interdisciplinary program) | Ping Yao             | KH C4069     | 3-5775 |
| Biological Sciences  | Robert Nissen        | BIO 143      | 3-2050 |
| Chemistry and Biochemistry                                   | Robert Vellanoweth   | BS 336       | 3-2300 |
| Chicano Studies  | David Diaz           | KH C4069     | 3-2190 |
| Geosciences and Environment                                  | Hengchun Ye          | KH C4067     | 3-2220 |
| History  | Cheryl Koos          | KH C4066     | 3-2020 |
| Latin American Studies (interdisciplinary program)           | Beth Baker-Cristales | KH B3006     | 3-2180 |
| Mathematics  | Grant Fraser         | ST F206      | 3-2150 |
| Pan-African Studies  | Melina Abdullah      | KH C3095     | 3-2290 |
| Physics and Astronomy  | Oscar Bernal         | PS 315       | 3-2100 |
| Political Science  | Greg Andranovich     | E&T A524     | 3-2230 |
| Psychology   | Sengi Hu             | KH C3103     | 3-2250 |
| Sociology  | Gretchen Petterson   | KH C3093     | 3-2200 |

## College of Professional and Global Education

|                             |                |        |        |
|-----------------------------|----------------|--------|--------|
| Dean                        | Eric Bullard   | GE 211 | 3-4907 |
| Assistant to the Dean       | Wendy Torres   | GE 211 | 3-4907 |
| Associate Dean              | Justin Cassity | GE 211 | 3-4907 |
| Assistant to Associate Dean | Patty Lam      | GE 211 | 3-4907 |

**Business Operations and Finance**

|                       |                     |         |        |
|-----------------------|---------------------|---------|--------|
| Senior Director       | Donny Hua           | GE 220B | 3-4909 |
| Fiscal Analyst        | Michele K. Nakazawa | GE 220B | 3-4851 |
| Fiscal Coordinator    | Hieu Ngo            | GE 220B | 3-4844 |
| Accounting Technician | Benito Amador       | GE 220B | 3-4906 |

**Marketing and Communications**

|                           |                   |        |        |
|---------------------------|-------------------|--------|--------|
| Director                  | Lawrence Aldava   | GE 216 | 3-4914 |
| Communications Specialist | Carolyn Aguayo    | GE 216 | 3-4969 |
| Graphic Designer          | Linda Thome-Loera | GE 216 | 3-4964 |

**Enrollment Services**

|                              |                  |         |        |
|------------------------------|------------------|---------|--------|
| Enrollment Services Director | Jean Cruz        | USU 105 | 3-4900 |
| Registration Support         | Jerri Shean      | USU 105 | 3-4951 |
| Registration Support         | Jacqueline Lopez | USU 105 | 3-5577 |
| Financial Aid                | Tom Lau          | USU 105 | 3-4905 |

**Programs**

|                     |                    |        |        |
|---------------------|--------------------|--------|--------|
| Director            | Thomas Pokladowski | GE 211 | 3-4967 |
| Program Developer   | Anitra Bratcher    | GE 211 | 3-4917 |
| Program Developer   | Jennifer Custodio  | GE 215 | 3-4952 |
| Program Developer   | Justin Rivas       | GE 215 | 3-4847 |
| Program Developer   | Hope Velarde       | GE 215 | 3-4910 |
| Program Coordinator | Kathryn Martinez   | GE 215 | 3-4915 |
| Program Coordinator | Flora Wong         | GE 215 | 3-4922 |

**International Office**

|                                    |                   |        |        |
|------------------------------------|-------------------|--------|--------|
| Director                           | Amy Wang          | GE 217 | 3-3173 |
| Advisor/Special Events Coordinator | Karina Diaz       | GE 217 | 3-3804 |
| Intake Assistant                   | Turajha Moore     | GE 217 | 3-3804 |
| Office Manager                     | Soledad Hernandez | GE 217 | 3-3172 |
| Study Abroad Adviser               | Vacant            | GE 217 | 3-3169 |
| Student Advisor                    | Vacant            | GE 217 | 3-3167 |
| International Program Developer    | Becky Bishop      | GE 217 | 3-4845 |
| Admissions Liaison                 | Tracey Truong     | GE 217 | 3-3170 |
| Faculty Director                   | Tasha Willis      | GE 217 | 3-4953 |

**English Language Program**

|                          |                  |        |        |
|--------------------------|------------------|--------|--------|
| Director                 | Valerie Pierce   | GE 214 | 3-4846 |
| Associate Director       | Piers Armstrong  | GE 214 | 3-4856 |
| Student Services Advisor | Elena Perez      | GE 214 | 3-4850 |
| Office Manager           | Chomnard Sornvai | GE 214 | 3-4848 |

**Cal State LA Downtown (DTLA)**

|   |              |      |                      |
|---|--------------|------|----------------------|
| Front Desk                              |              |      | 888-<br>541-<br>DTLA |
| Executive Director Business Development | Harkmore Lee | DTLA | 213-<br>358-<br>6567 |
| Professional Advisor                    | Jimmy Solis  | DTLA | x612                 |
| Financial Aid Assistant                 | Tom Lau      | DTLA | x622                 |

|                       |               |      |      |
|-----------------------|---------------|------|------|
| Accounting Technician | LaChell Jones | DTLA | x613 |
| Operations Specialist | Luis Roldan   | DTLA | x617 |

## Honors College

|          |            |          |        |
|----------|------------|----------|--------|
| Director | Trinh Pham | KH D1045 | 3-5969 |
|----------|------------|----------|--------|

## Preprofessional Advisement

|   |                             |          |        |
|---|-----------------------------|----------|--------|
| Health Science Programs (Premedical, pre dental, (preveterinary, prepharmacy, etc.) | Robert Nissen               | Bio 258  | 3-2070 |
| Prelegal Programs   |                             |          |        |
| Department of Finance and Law   | Maria Boss                  | ST F717  | 3-2870 |
| Department of Philosophy  | Kayley Vernallis/David Pitt | E&T A432 | 3-4180 |
| Department of Political Science   | Scott Bowman                | E&T A526 | 3-2248 |
| Department of Sociology   | Elaine A. Draper            | KHA3047  | 3-2299 |
| Pre-Physical Therapy Advisement   | Ray De Leon                 | BS 310A  | 3-4855 |

## University Library

|                                |                  |                |        |
|--------------------------------|------------------|----------------|--------|
| University Librarian           | Carlos Rodriguez | Lib N 3019     | 3-3929 |
| Associate University Librarian | Marla Peppers    | Lib N<br>1025B | 3-6094 |

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**\* Because of construction and renovation, some offices may be housed elsewhere temporarily; however, the phone numbers remain the same.**



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Welcome to the California State University (CSU) - the world's largest comprehensive higher education system in the nation with 23 unique campuses serving more than 474,000 students with 49,000 employees statewide. Each year, the University awards more than 100,000 degrees. CSU graduates now total more than 3 million strong, and are serving as leaders in the industries that drive California's economy, including business, agriculture, entertainment, engineering, teaching, hospitality and healthcare. Learn more at [www.calstate.edu](http://www.calstate.edu).

### More than 50-year tradition of excellence

Since 1961, the CSU has provided an affordable, accessible, and high-quality education to 3 million graduates around the state of California. While each campus is unique based on its curricular specialties, location and campus culture, every CSU is distinguished for the quality of its educational programs. All campuses are fully accredited, provide a high-quality broad liberal educational program and offer opportunities for students to engage in campus life through the Associated Students, Inc., clubs and service learning. Through leading-edge programs, superior teaching and extensive workforce training opportunities, CSU students graduate with the critical thinking skills, industry knowledge and hands-on experience necessary for employment and career advancement.

### Facts

- CSU faculty attract nearly \$570 million annually in research and education grants, and contracts by federal, state and regional agencies.
- Today, one of every 20 Americans with a college degree is a CSU graduate.
- One in every 10 employees in California is a CSU alumnus.
- The CSU awards 43 percent of the bachelor's degrees earned in California.
- Almost half of all the nurses in the state earn their degrees from the CSU.
- The CSU awards 95 percent of the hospitality/tourism degrees in the state.
- Nearly half of all of the state's engineers earn their degrees from the CSU.
- The CSU is the leading provider of teacher preparation programs in the state.
- The CSU offers more than 115 fully online and 96 hybrid degree programs and concentrations.
- The CSU offers 3,253 online courses to provide more educational options to students who may prefer an online format to a traditional classroom setting.
- The CSU's growing online concurrent enrollment program gives students the ability to enroll in courses offered by other campuses in the CSU system.
- Over the past four years, the CSU has issued nearly 50,000 professional development certificates in education, health services, business and technology, leisure and hospitality, manufacturing, international trade and many other industries.
- Nearly half of the CSU's 474,000 students are engaged in some type of community service, totaling 32 million hours of service annually.
- More than 13,000 students participate in STEM (science, technology engineering and mathematics) service-learning courses.
- For every \$1 that the state invests in the CSU, the University generates \$5.43 for California's Economy.

## Governance

The Board of Trustees, most of who are appointed by the governor and serve with faculty and student representatives, govern the system. The CSU Chancellor is the chief executive officer, reporting to the Board. The campus presidents serve as the campus-level chief executive officers. The Trustees, Chancellor and Presidents develop systemwide educational policy. The Presidents, in consultation with the Academic Senate and other campus stakeholder groups, render and implement local policy decisions.

## CSU Historical Milestones

The Donahoe Higher Education Act established the individual California State Colleges as a system with a Board of Trustees and a Chancellor in 1960. In 1972, the system was designated as the California State University and Colleges, and in 1982 the system became the California State University. Today, the CSU is comprised of 23 campuses, including comprehensive and polytechnic universities and, since July 1995, the California Maritime Academy, a specialized campus.

The oldest campus-San José State University-was founded in 1857 and became the first institution of public higher education in California. The newest-CSU Channel Islands-opened in fall 2002, with freshmen arriving in fall 2003.

In 1963, the State Academic Senate was established to act as the official voice of CSU faculty in systemwide matters. Also, the California State College Student Presidents Association-which was later renamed the California State Students Association-was founded to represent each campus student association on issues affecting students.

Through its many decades of existence, the CSU has continued to adapt to address societal changes, student needs and workforce trends. While the CSU's core mission has always focused on providing high-quality, affordable bachelor's and master's degree programs, over time the University has added a wide range of services and programs to support student success - from adding health centers and special programs for veterans to building student residential facilities to provide a comprehensive educational experience.

To improve degree completion and accommodate students working full- or part-time, the educational paradigm expanded to give students the ability to complete upper-division and graduate requirements through part-time, late afternoon, and evening study. The University also expanded its programs to include a variety of teaching and school service credential programs, specially designed for working professionals.

The CSU marked another significant educational milestone when it broadened its degree offerings to include doctoral degrees. The CSU independently offers educational doctorate (Ed.D.), Doctor of Physical Therapy (DPT), and Doctor of Nursing Practice (DNP) degree programs. A limited number of other doctoral degrees are offered jointly with the University of California and private institutions in California.

In an effort to accommodate community college transfer students, the CSU, in concert with the California Community Colleges, launched the Associate Degree for Transfer, which guarantees admission to the CSU with junior status for transfer students who earn the AA-T or AS-T degrees.

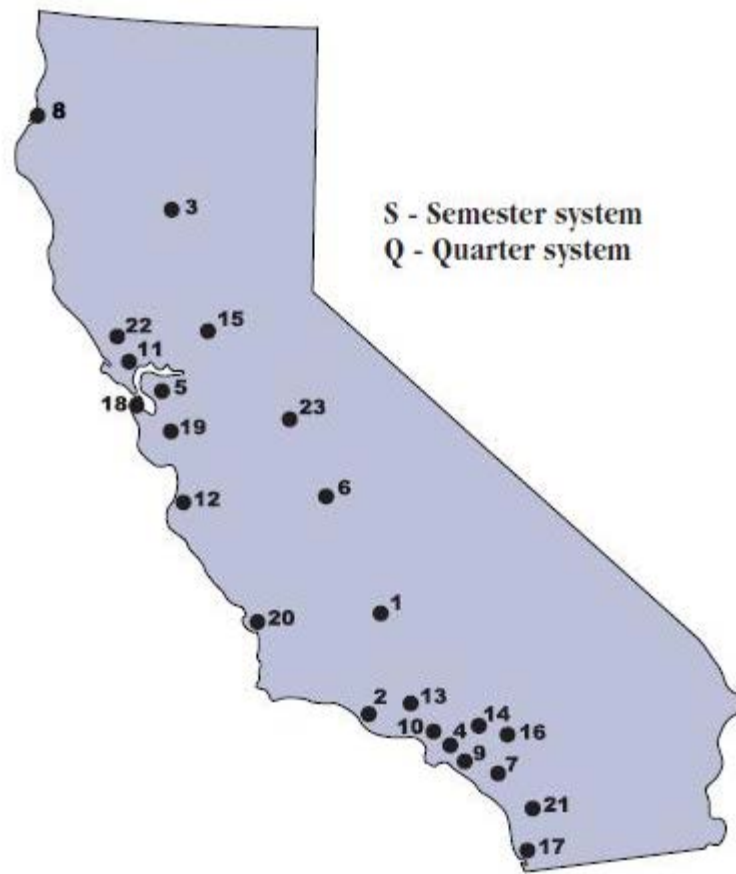
Always adapting to changes in technology and societal trends to support student learning and degree completion, the CSU initiated another milestone in 2013, when it launched CalState Online, a systemwide collection of services that support the delivery of fully online programs from campuses. Now, full-time students also have access to fully online courses offered at other CSU campuses.

By providing an accessible, hands-on education that prepares graduates for career success, the CSU has created a network of alumni that is so extensive and renowned that it spans across the globe. In 2014-15, the CSU celebrated The Class of 3 Million, the year-round campaign celebrating the 3 million alumni from all of CSU's campuses, including the Class of 2015.

The CSU strives to continually develop innovative programs, services and opportunities that will give students the tools they need to meet their full potential. With 23 campuses, 474,000 students and 49,000 faculty and staff, the CSU is committed to providing a quality higher education that prepares students to become leaders in the changing workforce.

## Map of CSU Office and Campus Locations

Check out the website for the entire California State University: [www.csumentor.edu](http://www.csumentor.edu). You will find helpful hints, frequently asked questions, campus tours, and general information about all 23 campuses. The phone number listed for each campus is for the Office of Admission.



**California State University, Bakersfield • Q**

1

9001 Stockdale Highway  
 Bakersfield, CA 93311-1022  
 Dr. Horace Mitchell, President  
 (661) 654-2782  
[www.csub.edu](http://www.csub.edu)

**California State University, Channel Islands • S**

2

One University Drive  
 Camarillo, CA 93012  
 Dr. Erika D. Beck, President  
 (805) 437-8400  
[www.csuci.edu](http://www.csuci.edu)

**California State University, Chico • S**

3

400 West First Street  
 Chico, CA 95929  
 Dr. Gayle E. Hutchinson, President  
 (530)-898-4636  
[www.csuchico.edu](http://www.csuchico.edu)

**California State University, Dominguez Hills • S**

4

1000 East Victoria Street  
 Carson, CA 90747  
 Dr. Willie Hagan, President  
 (310) 243-3696



[www.csudh.edu](http://www.csudh.edu)

**California State University, East Bay • Q**

5

25800 Carlos Bee Boulevard  
Hayward, CA 94542  
Dr. Leroy M. Morishita, President  
(510) 885-3000  
[www.csueastbay.edu](http://www.csueastbay.edu)

**California State University, Fresno • S**

6

5241 North Maple Avenue  
Fresno, CA 93740  
Dr. Joseph I. Castro, President  
(559) 278-4240  
[www.csufresno.edu](http://www.csufresno.edu)

**California State University, Fullerton • S**

7

800 North State College Boulevard  
Fullerton, CA 92831-3599  
Dr. Mildred García, President  
(657) 278-2011  
[www.fullerton.edu](http://www.fullerton.edu)

**8 Humboldt State University • S**

One Harpst Street  
Arcata, CA 95521-8299  
Dr. Lisa Rossbacher, President  
(707) 826-3011  
[www.humboldt.edu](http://www.humboldt.edu)

**California State University, Long Beach • S**

9

1250 Bellflower Boulevard  
Long Beach, CA 90840-0115  
Dr. Jane Close Conoley, President  
(562) 985-4111  
[www.csulb.edu](http://www.csulb.edu)

**California State University, Los Angeles • S**

10

5151 State University Drive  
Los Angeles, CA 90032  
Dr. William A. Covino, President  
(323) 343-3000  
[www.calstatela.edu](http://www.calstatela.edu)

**California Maritime Academy • S**

11

200 Maritime Academy Drive  
Vallejo, CA 94590  
Rear Admiral Thomas A. Cropper, President

(707) 654-1000  
[www.csum.edu](http://www.csum.edu)

**California State University, Monterey Bay • S**

12

Vallejo, CA 94590  
Dr. Eduardo M. Ochoa, President  
(831) 582-3000  
[www.csumb.edu](http://www.csumb.edu)

**California State University, Northridge • S**

13

18111 Nordhoff Street  
Northridge, CA 91330  
Dr. Dianne F. Harrison, President  
(818) 677-1200  
[www.csun.edu](http://www.csun.edu)

**California State Polytechnic University, Pomona • Q**

14

3801 West Temple Avenue  
Pomona, CA 91768  
Dr. Soraya M. Coley, President  
(909) 869-7659  
[www.csupomona.edu](http://www.csupomona.edu)

**California State University, Sacramento • S**

15

6000 J Street  
Sacramento, CA 95819  
Dr. Robert S. Nelsen, President  
(916) 278-6011  
[www.csus.edu](http://www.csus.edu)

**California State University, San Bernardino • Q**

16

5500 University Parkway  
San Bernardino, CA 92407-2318  
Dr. Tomás D. Morales, President  
(909) 537-5000  
[www.csusb.edu](http://www.csusb.edu)

**San Diego State University • S**

17

5500 Campanile Drive  
San Diego, CA 92182  
Dr. Elliot Hirshman, President  
(619) 594-5200  
[www.sdsu.edu](http://www.sdsu.edu)

**San Francisco State University • S**

18

1600 Holloway Avenue  
San Francisco, CA 94132  
Dr. Leslie E. Wong, President

(415) 338-1111  
[www.sfsu.edu](http://www.sfsu.edu)

**San José State University • S**

19

One Washington Square  
San Jose, CA 95192-0001  
Dr. Mary A. Papazian, President  
(408) 924-1000  
[www.sjsu.edu](http://www.sjsu.edu)

**California Polytechnic State University, San Luis Obispo • Q**

20

One Grand Avenue  
San Luis Obispo, CA 93407  
Dr. Jeffrey D. Armstrong,, President  
(805) 756-1111  
[www.calpoly.edu](http://www.calpoly.edu)

**California State University, San Marcos • S**

21

333 South Twin Oaks Valley Road  
San Marcos, CA 92096-0001  
Dr. Karen S. Haynes, President  
(760) 750-4000  
[www.csusm.edu](http://www.csusm.edu)

**Sonoma State University • S**

22

1801 East Cotati Avenue  
Rohnert Park, CA 94928  
Dr. Judy K. Sakaki, President  
(707) 664-2880  
[www.sonoma.edu](http://www.sonoma.edu)

**California State University, Stanislaus • 4-1-4**

23

801 West Monte Vista Avenue  
Turlock, CA 95382  
Dr. Ellen N. Junn, President  
(209) 667-3122  
[www.csustan.edu](http://www.csustan.edu)

## Officials of the California State University

### Office of the Chancellor

The California State University  
401 Golden Shore  
Long Beach, CA 90802-4210  
(562) 951-4000

|                        |   |
|------------------------|---|
| Dr. Timothy P. White   | Chancellor - CSU System                                 |
| Mr. Steve Relyea       | Executive Vice Chancellor and Chief Financial Officer   |
| Dr. Loren J. Blanchard | Executive Vice Chancellor, Academic and Student Affairs |
| Mr. Framroze Virjee    | Executive Vice Chancellor and General Counsel           |

Mr. Garrett P. Ashley Vice Chancellor, University Relations and Advancement  
Mr. Andrew Jones Interin Vice Chancellor, Human Resources  
Mr. Larry Mandel Vice Chancellor and Chief University Auditor

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The Honorable Edmund G. Brown, Jr.  
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The Honorable Gavin Newsom  
*Lieutenant Governor of California*

The Honorable Anthony Rendon  
*Speaker of the Assembly*

The Honorable Tom Torlakson  
*State Superintendent of Public Instruction*

Dr. Timothy P. White  
*Chancellor of The California State University*

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Correspondence with Trustees should be sent to:

c/o Trustees Secretariat  
The California State University  
401 Golden Shore  
Long Beach, CA 90802-4210





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## Emeriti Faculty

### Emeriti Faculty

A B C D E F G H I J K L M N O P Q R S T U V W Y Z

#### A

- Adnan M Abdeen (1986-2003)** Professor of Accounting
- T Jean Adenika-Morrow (1992-2003)** Professor of Education
- Kathryn L Alesandrini (1984-2006)** Professor of Education
- John Allswang (1968-2000)** Professor of History
- Burton L Alperson (1974-2002)** Professor of Psychology
- J Theodore Anagnoson (1983-2007)** Professor of Political Science
- E. Frederick Anderson (1991-2011)** Professor of Social Work
- Kenneth Anderson (1970-2002)** Professor of Microbiology
- Thomas Annese (1961-1992)** Professor of Philosophy
- Ratna Appadurai (1969-1987)** Professor of Education
- Ralph Arroyo (1978-2006)** Professor of Education
- Walter M Askin (1956-1992)** Professor of Art
- Alfred F Michael Atlee (1965-1986)** Professor of Spanish

#### B

- Marlohn Balas (1965-2000)** Professor of Nursing
- Jerry Reed Ball (1989-1992)** Professor of Physical Education
- Frank R Balle (1992-1998)** Professor of Civil Engineering
- Cornelia Balogh (1962-1989)** Associate Librarian
- Richard S Balvin (1956-1990)** Professor of Psychology
- Betty Bamberg (1996-2006)** Professor of English
- Evelyn Malkin Barclay (1957-1969)** Professor of Nursing
- Ann Barbour (1998-2008)** Professor of Education
- Francisco E. Balderrama (1984-2012)** Professor of Chicano Studies and History
- Butrus Basmaji (1969-2006)** Professor of Mathematics
- Sharon Bassett (1967-2001)** Professor of English
- Francis H Baxter (1950-1978)** Professor of Music
- Linda Beamer (1991-2005)** Professor of Marketing
- Abdallah J Beddawi (1963-2003)** Professor of French
- Gerald Beer (1971-2013)** Professor of Mathematics
- William Belan (1982-2010)** Professor of Music

|  |  |
|--|--|
| <b>Theodore S. Bell (1998-2014)</b>          | Professor of Psychology                                      |
| <b>Isaac Berman (1965-1988)</b>              | Professor of Education                                       |
| <b>Jeffrey W. Benedict (1989-2013)</b>       | Professor of Music   |
| <b>Gary A Best (1968-2002)</b>               | Professor of Education                                       |
| <b>Shirley J Better (1969-2001)</b>          | Professor of Social Work                                     |
| <b>V Patricia Beyer (1973-1990)</b>          | Professor of Education                                       |
| <b>Anjan K Bhaumik (1966-2005)</b>           | Professor of Civil Engineering                               |
| <b>Beverly R Bigler (1973-2003)</b>          | Professor of Nursing   |
| <b>Nancy J Billett (1975-1985)</b>           | Professor of Business<br>Education and Office Administration |
| <b>David Bilovsky (1956-1979)</b>            | Professor of Education                                       |
| <b>Ann Bingham-Newman (1974-2006)</b>        | Professor of Education                                       |
| <b>Sharon Bishop (1967-2004)</b>             | Professor of Philosophy                                      |
| <b>Wayne Bishop (1971-2010)</b>              | Professor of Mathematics                                     |
| <b>Evan E Black (1983-1991)</b>              | Librarian  |
| <b>Henry Etta Brown Blackmon (1968-1986)</b> | Professor of Nursing   |
| <b>Carlton Blanton (1970-1999)</b>           | Professor of Health Science                                  |
| <b>Keith R Blunt (1967-1994)</b>             | Professor of Management                                      |
| <b>James A Bolton (1969-1997)</b>            | Professor of Education                                       |
| <b>Charles E Borman (1960-1992)</b>          | Professor of Art   |
| <b>James D Boulgarides (1977-2003)</b>       | Professor of Marketing                                       |
| <b>George B Bouse (1959-1994)</b>            | Professor of Electrical Engineering                          |
| <b>Helen A. Boussalis (1985-2013)</b>        | Professor of Electrical and Computer<br>Engineering          |
| <b>Roger R Bowers (1972-2007)</b>            | Professor of Biological Sciences                             |
| <b>Barbara Ann Boyer (1989-2010)</b>         | Professor of Art   |
| <b>Roger D Brandt (1962-1998)</b>            | Professor of Electrical Engineering                          |
| <b>Donald W Bray ( 1961-1997)</b>            | Professor of Political Science                               |
| <b>Peter A Brier (1972-1998)</b>             | Professor of English   |
| <b>Charles E Brinkley (1961-1991)</b>        | Librarian  |
| <b>Allen P Bristow (1959-1983)</b>           | Professor of Criminal Justice                                |
| <b>Helen Brocklehurst (1960-1971)</b>        | Counselor and Associate Professor of<br>Education            |
| <b>Martin G. Brodwin (1988-2014)</b>         | Professor of Education                                       |
| <b>Costello Brown (1969-2005)</b>            | Professor of Chemistry                                       |
| <b>Marilyn Buccellati (1973-2003)</b>        | Professor of Art   |
| <b>Millie Burnett (1978-1998)</b>            | Professor of Music   |
| <b>Richard Dean Burns (1960-1992)</b>        | Professor of History   |
| <b>Donald R Burrill (1962-1992)</b>          | Professor of Philosophy                                      |
| <b>Stanley M Burstein (1968-2004)</b>        | Chair and Professor of History                               |
| <b>Butrus G Basmaji (1969-2005)</b>          | Professor of Mathematics                                     |
| <b>Jack Butler (1988-2010)</b>               | Professor of Art   |

## C

|                                       |                                |
|---------------------------------------|--------------------------------|
| <b>Herminia G Cadenas (1990-2004)</b> | Professor of Education         |
| <b>Naomi J Caiden (1993 - 2009)</b>   | Professor of Political Science |
| <b>Randy M Caine (1998-2008)</b>      | Professor of Nursing           |

|   |  |
|---|--|
| <b>Laura Calderon (1993-2012)</b>         | Professor of Nutritional Science   |
| <b>Robert Bascom Callahan (1960-1983)</b> | Professor of Political Science   |
| <b>Evelyn Ruiz Calvillo (1990-2010)</b>   | Professor of Nursing   |
| <b>Giorgio Canarella (1973-2007)</b>      | Professor of Economics and Statistics                                      |
| <b>Roberto Cantú (1976-2014)</b>          | Professor of Chicano Studies and English                                   |
| <b>Brian Capon (1961-1992)</b>            | Professor of Biology   |
| <b>Robert Carr (1964-1999)</b>            | Professor of Physics   |
| <b>E Dale Carter (1966-1997)</b>          | Professor of Spanish   |
| <b>Phillip L Carter (1970-1988)</b>       | Associate Professor of Social Work   |
| <b>Joseph Casanova, Jr (1961-1994)</b>    | Professor of Chemistry   |
| <b>Barbara S Case (1973-2002)</b>         | Reference Librarian  |
| <b>Susan B Cash (1991-2009)</b>           | Associate Vice President, Academic Affairs and Art                         |
| <b>Marshall L Cates (1971-2004)</b>       | Professor of Mathematics   |
| <b>Paul L Chabot (1970-2004)</b>          | Professor of Mathematics   |
| <b>Berken Chang (1969-1996)</b>           | Professor of Physics   |
| <b>Emily C Chang (1959-1983)</b>          | Professor of Accounting  |
| <b>Jack S. K. Chang (1985-2013)</b>       | Professor of Finance and Law   |
| <b>Patricia A Chin (1989-2008)</b>        | Professor of Nursing   |
| <b>Doris C Ching (1962-1991)</b>          | Professor of Education   |
| <b>Philip C Chinn (1988-2000)</b>         | Professor of Education   |
| <b>Joseph A Chrzanowski (1969-2001)</b>   | Professor of Spanish   |
| <b>Barbara J Clark (1968-2000)</b>        | Professor of Education   |
| <b>Lawrence Clark (1960-1992)</b>         | Professor of Business Law  |
| <b>John L Cleman (1971-2007)</b>          | Professor of English   |
| <b>Nancy Cobb (1965- 2003)</b>            | Professor of Psychology  |
| <b>Harold L Cohen (1969-2000)</b>         | Professor of Physics   |
| <b>Irving J Cohen (1959-1988)</b>         | Associate Librarian  |
| <b>Neil A Cohen (1976-2002)</b>           | Professor of Social Work   |
| <b>William A Cohen (1979-2002)</b>        | Professor of Marketing   |
| <b>Ivan P Colburn (1964-1990)</b>         | Professor of Geology   |
| <b>Charles Coleman (1968-2000)</b>        | Professor of Physics   |
| <b>Alan A Colville (1962-1996)</b>        | Professor of Geology   |
| <b>Mary Conroy (1969-2000)</b>            | Professor of Physical Education  |
| <b>Webster E Cotton (1966-1997)</b>       | Professor of Education   |
| <b>Alan N Crawford (1969-2002)</b>        | Professor of Education   |
| <b>Daniel Crecelius (1964-2001)</b>       | Professor of History   |
| <b>Theodore J Crovello (1987-2004)</b>    | Dean of Graduate Studies and Research and Professor of Biological Sciences |
| <b>Cheryl A. Cruz (1992-2013)</b>         | Professor of Accounting  |
| <b>Ivan N Cury (1990-2006)</b>            | Professor of Broadcasting  |
| <b>D</b>                                  |  |
| <b>John A Dahl (1955-1983)</b>            | Professor of Education   |
| <b>Saralyn R Daly (1962-1988)</b>         | Professor of English   |

|  |   |
|--|---|
| <b>Peter Marc Damien (1972-1992)</b>   | Professor of Art  |
| <b>William D Darrough (1973-2002)</b>  | Professor of Sociology  |
| <b>Shirlee D Davis (1967-1992)</b>     | Professor of Education  |
| <b>Terry E Davis (1968-1999)</b>       | Professor of Geology  |
| <b>Bruce Dayton (1965-1980)</b>        | Professor of Physics  |
| <b>Phoebe K Dea (1976-1996)</b>        | Professor of Chemistry  |
| <b>Marion V Dearman (1971-1992)</b>    | Professor of Sociology  |
| <b>Louis C De Armond (1950-1979)</b>   | Professor of History  |
| <b>Cameron Scott Deeds (1951-1985)</b> | Professor of Physical Education                                       |
| <b>John H DeHardt (1961-1992)</b>      | Professor of Mathematics  |
| <b>Patricia A Delaney (1962-1994)</b>  | Professor of Recreation   |
| <b>Earl W Denny (1959-1983)</b>        | Associate Dean, School of Education, and Professor of Education       |
| <b>Donald O Dewey (1962-1996)</b>      | Dean, School of Natural and Social Sciences, and Professor of History |
| <b>Wachtang Djobadze (1968-1988)</b>   | Professor of Art  |
| <b>Cortland C Doan (1965-1989)</b>     | Professor of Technology   |
| <b>Jim D Donohoo (1981-2003)</b>       | Professor of Accounting   |
| <b>Robert L Douglass (1951-1987)</b>   | Professor of Communication Disorders                                  |
| <b>Daniel Douke (1982-2003)</b>        | Professor of Art  |
| <b>Domnita Dumitrescu (1987-2011)</b>  | Professor of Spanish  |
| <b>Pamela Dunne (1974-2010)</b>        | Professor of Theatre Arts   |
| <b>Eugene P Dvorin (1958-1992)</b>     | Professor of Political Science  |

## E

|  |   |
|--|---|
| <b>Annette Ehrlich (1969-1994)</b>       | Professor of Psychology                           |
| <b>Robert A Eisenberg (1967-1992)</b>    | Professor of Education                            |
| <b>Marilyn R. Elkins (1991-2012)</b>     | Professor of English                              |
| <b>Norman L Ellenberg (1969-1991)</b>    | Professor of Education                            |
| <b>Patricia Wright Ellis (1970-1986)</b> | Professor of Family Studies and Consumer Sciences |
| <b>Lu Elrod (1978-2004)</b>              | Professor of Music                                |
| <b>Ray Engelke (1964-1983)</b>           | Associate Librarian                               |
| <b>George N Engler (1975-2007)</b>       | Professor of Finance and Law                      |
| <b>Martin B Epstein (1970-2004)</b>      | Professor of Physics                              |
| <b>Stephanie Evans (1987-2012)</b>       | Professor of Education                            |
| <b>Robert H Ewald (1957-1986)</b>        | Professor of Anthropology                         |



## F

|   |  |
|---|--|
| <b>Neda S Fabris (1979-2008)</b>                | Professor of Mechanical Engineering  |
| <b>Linda Fahey (1976-1999)</b>                  | Professor of Nursing   |
| <b>Mary A. Falvey (1980-2013)</b>               | Dean, Charter College of Education and Professor of Education                    |
| <b>Sarah P Farnham (1971-1996)</b>              | Professor of Nursing   |
| <b>Marlene Farrell (1963-1998)</b>              | Professor of Nursing   |
| <b>Rod A Faurot (1959-1999)</b>                 | Professor of Kinesiology and Physical Education                                  |
| <b>Raymond E Fausel (1962-1990)</b>             | Professor of Technology  |
| <b>Stephen F Felszeghy (1979-2005)</b>          | Professor of Mechanical Engineering  |
| <b>Robert L Fennessy (1965-1992)</b>            | Professor of Health Science  |
| <b>Eleanor Ferguson-Marshalleck (1991-2013)</b> | Associate Dean, College of Health and Human Services and Professor of Nursing    |
| <b>Robert R Fiedler (1961-1997)</b>             | Professor of Art   |
| <b>Anita H Fisher (1956-1980)</b>               | Professor of Physical Education  |
| <b>Janet C Fisher-Hoult (1986-2001)</b>         | Director, Center for Effective Teaching and Learning, and Professor of Education |
| <b>Edward C Forde (1971-2004)</b>               | Professor of Art   |
| <b>Robert M Fowells (1962-1988)</b>             | Professor of Music   |
| <b>Carolyn R. Frank (1998-2013)</b>             | Professor of Education   |
| <b>Anthony Fratiello (1963-1999)</b>            | Professor of Chemistry   |
| <b>Siegrun Fox Freyss (1996-2013)</b>           | Professor of Political Science   |
| <b>Marilyn Friedman (1967-2000)</b>             | Professor of Nursing   |
| <b>John Funakura (1988-2006)</b>                | Professor of Art   |

## G

|  |   |
|--|---|
| <b>José L. Galván (1990 -2013)</b>     | Dean, College of Extended Studies and International Programs and Professor of Education |
| <b>John A. Gamon (1991-2008)</b>       | Professor of Biological Sciences  |
| <b>Perry S Ganas (1970-2001)</b>       | Professor of Physics  |
| <b>Jewell L Garner (1961-1982)</b>     | Professor of Education  |
| <b>Ann Garry (1969-2006)</b>           | Professor of Philosophy   |
| <b>Neil H Garston (1975-2009)</b>      | Professor of Economics and Statistics   |
| <b>Christine Givner (1993-2004)</b>    | Professor of Education  |
| <b>Christine Gladish (1988-2012)</b>   | Library, Government Information and Special Collections                                 |
| <b>Phillip L Gold (1967-1984)</b>      | Professor Of Mechanical Engineering   |
| <b>Herbert Goldberg (1965-2002)</b>    | Professor of Psychology   |
| <b>Herbert Goldenberg (1955-1986)</b>  | Professor of Psychology   |
| <b>Harold Goldwhite (1962-2004)</b>    | Professor of Chemistry  |
| <b>Ricardo J. Gomez (1983-2011)</b>    | Professor of Philosophy   |
| <b>Alfonso González (1975-2002)</b>    | Professor of Spanish  |
| <b>Alfredo G. González (1977-2012)</b> | Dean, Undergraduate Studies, and Professor of Social Work                               |
| <b>Lawrence P Goodman (1961-1994)</b>  | Professor of Theatre Arts   |

|  |                               |
|--|-------------------------------|
| <b>Leonard Gordon (1962-1987)</b>      | Associate Librarian           |
| <b>Steven L. Gordon (1977-2014)</b>    | Professor of Sociology        |
| <b>Harold J Gottlieb (1972-2002)</b>   | Professor of Psychology       |
| <b>G Douglas Gourley (1957-1977)</b>   | Professor of Criminal Justice |
| <b>Richard C Grace (1969-1992)</b>     | Professor of Criminal Justice |
| <b>Gloria S Graham (1959-1986)</b>     | Professor of Education        |
| <b>Gregory S Graham (1968-2001)</b>    | Professor of Technology       |
| <b>Thomas M Graham (1959-1992)</b>     | Professor of Psychology       |
| <b>Evelyn B Granville (1967-1984)</b>  | Professor of Mathematics      |
| <b>Marilyn W Greenberg (1974-1992)</b> | Professor of Education        |
| <b>David T Gregorich (1968-2000)</b>   | Professor of Physics          |
| <b>Scott D. Grover (1983-2012)</b>     | Professor of Biochemistry     |
| <b>Carlos G. Gutiérrez (1976-2015)</b> | Professor of Chemistry        |

## H

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| <b>Robert G Hadley (1965-1992)</b>       | Professor of Education  |
| <b>Robert O Hahn (1956-1980)</b>         | Professor of Education  |
| <b>Rosmary L Hake (1980-2002)</b>        | Professor of English  |
| <b>Harold D Hall (1956-1980)</b>         | Professor of Education  |
| <b>Edmond C Hallberg (1965-1994)</b>     | Professor of Education  |
| <b>Sin Fong Han (1971-2004)</b>          | Professor of Geography  |
| <b>William R Hanson (1960-1987)</b>      | Professor of Biology  |
| <b>Timothy Fox Harding (1963-1994)</b>   | Professor of History  |
| <b>Margaret J Hartman (1970-2000)</b>    | Provost and Vice<br>President for Academic Affairs and Professor of Biology |
| <b>James W Harvey (1955-1971)</b>        | Professor of Botany and Nature Study  |
| <b>Audrey Graff Hawk (1960-1981)</b>     | Associate Librarian   |
| <b>Cherie Hawley (1989-2007)</b>         | Acting Dean,<br>Charter College of Education and Professor of Education     |
| <b>Harry S Hayashi (1965-1992)</b>       | Professor of Mathematics  |
| <b>Rick Stephan Hayes (1990 - 2014)</b>  | Professor of Accounting   |
| <b>Peter D Hechler (1973-2005)</b>       | Professor of Management   |
| <b>J Dennis Heim (1966-2001)</b>         | Professor of Education  |
| <b>Leonard W Hein (1956-1983)</b>        | Professor of Accounting   |
| <b>W Keith Henning (1966-2002)</b>       | Professor of Speech Communication   |
| <b>James Henrickson (1966-2000)</b>      | Professor of Biology  |
| <b>Jack C Heppe (1949-1977)</b>          | Director of Campus Development  |
| <b>John W Hermann (1966-1990)</b>        | Professor of Physical Education   |
| <b>Fernando Hernandez (1972-2006)</b>    | Professor of Education  |
| <b>Grace Shizuko Herrera (1990-2014)</b> | Professor of Theatre Arts   |
| <b>Anne Hess (1968-2002)</b>             | Reference Librarian   |

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| <b>Udo Heyn (1969-1998)</b>         | Professor of History                |
| <b>Raymond E Hillis (1965-2004)</b> | Professor of Education              |
| <b>Kenneth F Hird (1974-1994)</b>   | Professor of Technology             |
| <b>Virginia Hoffman (1952-1987)</b> | Professor of Art                    |
| <b>Deborah Holland (1997-2010)</b>  | Professor of Music                  |
| <b>George K. Hong (1990-2014)</b>   | Professor of Education              |
| <b>Lawrence K. Hong (1970-2010)</b> | Professor of Sociology              |
| <b>Robert Howard (1986-1996)</b>    | Professor of Electrical Engineering |
| <b>Lih-Min Hsia (1983 - 2014)</b>   | Professor of Mechanical Engineering |
| <b>Kylie Hsu (1997 - 2012)</b>      | Professor of Chinese                |
| <b>Cynthia Hughes (2000-2014)</b>   | Director and Professor of Nursing   |
| <b>Nancy A. Hunt (1981-2012)</b>    | Professor of Education              |
| <b>Richard W Hurst (1978- 2007)</b> | Professor of Geological Sciences    |

I

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| <b>Melva E Irvin (1995-2001)</b> | Director, Center for Effective Teaching and Learning and Professor of Kinesiology and Physical Education |
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J

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| <b>Pamela D Jablonsky (1978-1996)</b>  | Professor of Technology   |
| <b>Durward P Jackson (1981-2001)</b>   | Professor of Information Systems  |
| <b>Raleigh Jackson (1973-1992)</b>     | Professor of Education  |
| <b>Colleen Jamison (1965-1997)</b>     | Professor of Education  |
| <b>Carol S. Jeffers (1993-2014)</b>    | Professor of Art  |
| <b>Margaret Jefferson (1977-2013)</b>  | Professor of Genetics   |
| <b>Raymond I Jeng (1968 - 2003)</b>    | Professor of Civil Engineering  |
| <b>Nandlal Jhunhunwala (1967-2001)</b> | Associate Professor of Mathematics  |
| <b>JoAnn Johnson (1968-1997)</b>       | Professor of Nursing  |
| <b>Joan D Johnson (1955-1992)</b>      | Professor of Physical Education   |
| <b>Karen M Johnson (1965-2001)</b>     | Associate Dean, College of Health and Human Services, and Professor of Kinesiology and Physical Education |
| <b>Ruth S Johnson (1990-2006)</b>      | Professor of Education  |
| <b>Sharon Johnson (1989-2006)</b>      | Professor of Education  |
| <b>Lorie H. Judson (1997-2016)</b>     | Professor of Nursing and Director of The School of Nursing  |

K

|                                     |  |
|-------------------------------------|--|
| <b>Richard H. Kao (1983-2011)</b>   | Professor of Marketing                           |
| <b>Kamran Karimlou (1984-2015)</b>  | Professor of Electrical and Computer Engineering |
| <b>Kazumitsu Kato (1963-1992)</b>   | Professor of Japanese                            |
| <b>Richard Katz (1969-2002)</b>     | Professor of Mathematics                         |
| <b>Dorothy L Keane (1973-2002)</b>  | Professor of Education                           |
| <b>Delos H Kelly (1976-2004)</b>    | Professor of Sociology                           |
| <b>Michael P Kelley (1972-2001)</b> | Professor of Speech Communication                |

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|---|---|
| <b>Richard T Keys (1959-1996)</b>         | Professor of Chemistry                                |
| <b>Rauf-Ur R Khan (1968-2001)</b>         | Professor of Management                               |
| <b>Donald I Kiel (1960-1992)</b>          | Professor of Mathematics and Computer Science         |
| <b>Young C Kim (1965-2005)</b>            | Chair and Professor of Civil Engineering              |
| <b>Wanda L King (1965-1980)</b>           | Professor of Nursing                                  |
| <b>John A Kirchner (1979-2006)</b>        | Professor of Geography                                |
| <b>M. Diane Klein (1982-2011)</b>         | Professor of Education                                |
| <b>Norman Klein (1971-2004)</b>           | Professor of Anthropology                             |
| <b>Dale L Knapp (1959-1995)</b>           | Professor of Education                                |
| <b>MaryLynne Knutson (1972-1992)</b>      | Professor of Office Systems and Business<br>Education |
| <b>Grigori Kolesnik (1984-2006)</b>       | Professor of Mathematics                              |
| <b>Ellen King Kravitz (1967-1999)</b>     | Professor of Music                                    |
| <b>Robert D Kully (1956-1992)</b>         | Professor of Speech Communication                     |
| <b>JoAn D Kunselman (1990-2004)</b>       | Professor of Music                                    |
| <b>Nancy E. Kupka (1982-2011)</b>         | Professor of Dance                                    |
| <b>Frances Kuwahara-Chinn (1998-2008)</b> | Professor of Education                                |

## L

|   |   |
|---|---|
| <b>David Laird (1958-1990)</b>            | Professor of English  |
| <b>John LaMonica (1956-1980)</b>          | Professor of Industrial Studies   |
| <b>Robert E. Land (1998-2013)</b>         | Professor of Education  |
| <b>Raymond B Landis (1985-2001)</b>       | Dean, School of<br>Engineering and Technology and Professor of Mechanical Engineering |
| <b>Chor Tin Lau (1985-2003)</b>           | Professor of Accounting   |
| <b>Jean Utley Lehman (1963-1974)</b>      | Professor of Education  |
| <b>Philip Yuen-Sang Leung (1986-2000)</b> | Professor of History  |
| <b>Janet Lever (1990-2014)</b>            | Professor of Sociology  |
| <b>Anson J Levine (1969-2001)</b>         | Associate Professor of Psychology   |
| <b>Jack G Levine (1960-2001)</b>          | Professor of Electrical Engineering   |
| <b>Robert T Lewis (1952-1982)</b>         | Professor of Psychology   |
| <b>Charles F Leyba (1965-1992)</b>        | Professor of Education  |
| <b>Roy Liebman (1969-2000)</b>            | Librarian, Collection Services  |
| <b>Randall B Lindsey (1981-2003)</b>      | Professor of Education  |
| <b>Ethan B. Lipton (1984-2015)</b>        | Professor of Technology   |
| <b>Jasper Little (1978-1992)</b>          | Professor of Education  |
| <b>Peter P Lockett (1969-1994)</b>        | Professor of Accounting   |
| <b>William F Long (1967-1983)</b>         | Associate Director of Institutional Research  |
| <b>Tony Longson (1986-2013)</b>           | Professor of Art  |
| <b>Genaro A Lopez (1981-2004)</b>         | Professor of Biological Sciences  |
| <b>Z Barry Lowenkron (1973 - 2004)</b>    | Professor of Psychology   |
| <b>Irwin Lublin (1965-1992)</b>           | Professor of Psychology   |

## M

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|---------------------------------------|--------------------------------|
| <b>G Grant MacCurdy (1970-2001)</b>   | Professor of Spanish           |
| <b>Daniel Mahoney (1972-1998)</b>     | Associate Professor of Biology |
| <b>Leonel A Maldonado (1999-2004)</b> | Professor of Chicano Studies   |

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| <b>Edward Malecki (1968-2002)</b>          | Professor of Political Science  |
| <b>Jean Maloney (1960-1984)</b>            | Professor of English  |
| <b>M Morris Mano (1960-1990)</b>           | Professor of Electrical Engineering                                     |
| <b>Demetrius J Margaziotis (1964-2003)</b> | Professor of Physics  |
| <b>Judith S Margolis (1973-1992)</b>       | Professor of Education  |
| <b>Chogollah Maroufi (1988-2013)</b>       | Professor of Education  |
| <b>Rosemarie Marshall (1978-2000)</b>      | Professor of Microbiology   |
| <b>Catherine Martin (1970-1996)</b>        | Professor of Anthropology   |
| <b>Patricia Martz (1990-2005)</b>          | Professor of Anthropology   |
| <b>Susan Mason (1990-2011)</b>             | Professor of Theatre Arts   |
| <b>Leonard G Mathy (1950-1983)</b>         | Professor of Economics  |
| <b>Masako M Matsuda (1977-2004)</b>        | Professor of Communication Disorders                                    |
| <b>Michael J Maurer (1970-1997)</b>        | Professor of Mechanical Engineering                                     |
| <b>Don M. Maurizio (1979-2012)</b>         | Professor of Technology   |
| <b>Andrea P. Maxie (1986-2011)</b>         | Associate Dean, Charter College of Education and Professor of Education |
| <b>G Roy Mayer (1969-2003)</b>             | Professor of Education  |
| <b>Vincent Mazzucchelli (1971-1996)</b>    | Professor of Geography  |
| <b>Carol G McKenzie (1970-1999)</b>        | Professor of Kinesiology and, Physical Education                        |
| <b>David McNutt (1968-2004)</b>            | Professor of Instructional Media Services                               |
| <b>Margaret E McWilliams (1961-1992)</b>   | Professor of Family Studies and Consumer Sciences                       |
| <b>Robert F Meade (1960-1993)</b>          | Professor of Geology  |
| <b>Milton W Meyer (1959-1986)</b>          | Professor of History  |
| <b>Hrushikesh N. Mhaskar (1980-2012)</b>   | Professor of Mathematics  |
| <b>Jung Kim Miller (1989-2006)</b>         | Professor of Nursing  |
| <b>Robert A Miller (1966-1997)</b>         | Professor of Physical Education   |
| <b>Frederic E Mints (1970-1981)</b>        | Professor of Accounting   |
| <b>Majdedin Mirmirani (1981-2007)</b>      | Professor of Mechanical Engineering                                     |
| <b>Thomas M Miyake (1988-2006)</b>         | Professor of Music  |
| <b>Marguerite Mochel (1949-1973)</b>       | Professor of Physical Education   |
| <b>Ali Modarres (1990-2013)</b>            | Professor of Geography and Urban Analysis                               |
| <b>Lorraine Monnin (1960-1991)</b>         | Professor of Communication Disorders                                    |
| <b>Raquel Montenegro (1969-1992)</b>       | Professor of Education  |
| <b>Donald A Moore (1956-1982)</b>          | Professor of Economics and Statistics                                   |
| <b>Alfredo O Morales (1965-1989)</b>       | Professor of Spanish  |
| <b>Rosario Morales (1993-2008)</b>         | Professor of Education  |
| <b>Joy Ann Morin (1993-2002)</b>           | Professor of Education  |
| <b>Robert H Morneau, Jr (1977-1988)</b>    | Professor of Criminal Justice   |
| <b>Ronald H Morris (1960-1998)</b>         | Professor of Physical Education   |
| <b>Donald G Mortensen (1949-1978)</b>      | Dean, School of Fine and Applied Arts, and Professor of Education       |
| <b>Margaret Moustafa (1997-2014)</b>       | Professor of Education  |
| <b>Paul T Mu (1969-1992)</b>               | Professor of Economics and Statistics                                   |

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|---------------------------------------|---|
| <b>Alan E. Muchlinski (1979-2012)</b> | Graduate Studies and Research, and Professor of Biological Sciences |
| <b>Barry Munitz (1991-2015)</b>       | Professor of English  |
| <b>Dennis M Murphy (1975-2001)</b>    | Professor of Accounting   |

## N

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|---|----------------------------------|
| <b>Louis Negrete (1972-2001)</b>        | Professor of Chicano Studies     |
| <b>Edward A Nelson (1959-1980)</b>      | Professor of Finance             |
| <b>Helen Isabel Nicklin (1964-1986)</b> | Professor of Education           |
| <b>Reed E Nilsen (1955-1985)</b>        | Professor of Physical Education  |
| <b>Naomi P Norton (1961-1974)</b>       | Professor of Home Economics      |
| <b>Gary A Novak (1970-2008)</b>         | Professor of Geological Sciences |
| <b>Jonathan Nwomonoh (1970-2002)</b>    | Professor of Pan African Studies |

## O

|  |   |
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| <b>Freda V O'Bannon-Lemmi (1968-1998)</b>  | Professor of Nursing  |
| <b>Helen M O'Connell (1963-1981)</b>       | Professor of Nursing  |
| <b>Marjorie Elaine O'Leary (1980-1993)</b> | Associate Professor of Nursing                              |
| <b>Aida Takla O'Reilly (1970-2000)</b>     | Professor of Pan-African Studies                            |
| <b>Eduardo Ochoa (1984-2010)</b>           | Professor of Economics and Statistics                       |
| <b>Moonsong (David) Oh (1980-2005)</b>     | Professor of Marketing                                      |
| <b>Jon L Olson (1970-2000)</b>             | Professor of Anthropology                                   |
| <b>Thomas P Onak (1959-1997)</b>           | Professor of Chemistry                                      |
| <b>Sumiye N Onodera (1970-1986)</b>        | Associate Professor of Family Studies and Consumer Sciences |
| <b>Elliott Oring (1971-2004)</b>           | Professor of Anthropology                                   |
| <b>Elaine Osio (1970-2004)</b>             | Professor of English  |
| <b>Selmer Ostlie (1958-1972)</b>           | Professor of Education                                      |
| <b>Evan K Oyakawa (1961-1991)</b>          | Professor of Biology  |

## Q

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| <b>Ruben D. Quintero (1988-2014)</b> | Professor of English |
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## P

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|---|-------------------------------------|
| <b>Clement Padick (1960-1995)</b>         | Professor of Geography              |
| <b>Anne M Palmer (1953-1971)</b>          | Assistant Professor of Education    |
| <b>Judith L Papenhausen (1972-2004)</b>   | Director and Professor of Nursing   |
| <b>Leslie Jane Park (1989-2013)</b>       | Professor of Accounting             |
| <b>Francoise M Pasques (1961-1992)</b>    | Associate Professor of French       |
| <b>Donald R Paulson (1970-2003)</b>       | Professor of Chemistry              |
| <b>Victor Payse, Jr (1959-1983)</b>       | Professor of Electrical Engineering |
| <b>Betsy Peitz (1977-2007)</b>            | Professor of Biological Sciences    |
| <b>Esther Penchef (1948-1973)</b>         | Professor of Sociology              |
| <b>Elba Torres de Peralta (1967-1992)</b> | Professor of Spanish                |
| <b>David R Perrott (1968-2001)</b>        | Professor of Psychology             |

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| <b>Thomas H Peterson (1970-1999)</b>         | Professor of English                  |
| <b>Gray Phillips (1962-1992)</b>             | Professor of Art                      |
| <b>Jean S Phinney (1977-2004)</b>            | Professor of Psychology               |
| <b>Ronald L Pierce (1973-2000)</b>           | Associate Professor of Accounting     |
| <b>Arnold Pincus (1961-1992)</b>             | Assistant Professor of History        |
| <b>Stanley H Pine (1964-1998)</b>            | Professor of Chemistry                |
| <b>Eleni N Pitsiou-Darrrough (1973-2002)</b> | Professor of Sociology                |
| <b>Stephen K. Pollard (1982-2012)</b>        | Professor of Economics and Statistics |
| <b>Vilma Potter (1961-1992)</b>              | Professor of English                  |
| <b>Joseph B. Prabhu (1978-2013)</b>          | Professor of Philosophy               |
| <b>Jagdish Prasad (1969-2004)</b>            | Professor of Mathematics              |
| <b>Lamar Price (1964-1986)</b>               | Professor of Education                |

## R

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| <b>Neil Rabitoy (1968-1991)</b>           | Professor of History   |
| <b>Carolyn Radakovich (1970-1997)</b>     | Professor of Art   |
| <b>Raj Ramchandani (1976-2005)</b>        | Professor of Electrical Engineering                          |
| <b>D Lynn Rans (1984-1999)</b>            | Professor of Accounting                                      |
| <b>Gerald R Rasmussen (1964-1989)</b>     | Professor of Education                                       |
| <b>Marshall E Reddick (1970-2000)</b>     | Professor of Marketing                                       |
| <b>John D Rees (1968-1997)</b>            | Professor of Geography                                       |
| <b>Robert D Reeser (1971-1994)</b>        | Associate Dean, School of Arts Letters, and Professor of Art |
| <b>James A. Regalado (1987-2012)</b>      | Professor of Political Science                               |
| <b>Kathryn C. Reilly (1999 - 2012)</b>    | Professor of Education                                       |
| <b>Fred M Reinman (1967-1989)</b>         | Professor of Anthropology                                    |
| <b>Lois M Rhinesperger (1959-1981)</b>    | Professor of Home Economics                                  |
| <b>Fred G Rhodes (1954-1980)</b>          | Professor of Education                                       |
| <b>Patricia Richard-Amato (1984-1991)</b> | Professor of Education                                       |
| <b>Sidney Richman (1962-1992)</b>         | Professor of English   |
| <b>Richard D Roberto (1966-1999)</b>      | Professor of Mechanical Engineering                          |
| <b>Carlos D. Robles (1979-2013)</b>       | Professor of Biological Sciences                             |
| <b>Martin S Roden (1968-2005)</b>         | Professor of Electrical Engineering                          |
| <b>Edythe Rodriguez (1952-1983)</b>       | Associate Professor of Education                             |
| <b>Michael W Roffe (1973-2004)</b>        | Professor of Psychology                                      |
| <b>Gloria J. Romero (1989-2015)</b>       | Professor of Psychology                                      |
| <b>Howard Rosen (1970-2002)</b>           | Professor of Biology   |
| <b>Paul H. Rosenthal (1988-2013)</b>      | Professor of Information Systems                             |
| <b>J Murray Ross (1965-1992)</b>          | Librarian  |
| <b>James M. Rosser (1979-2013)</b>        | President and Professor of Biological Sciences               |
| <b>Alice M Roy (1984-2002)</b>            | Professor of English   |
| <b>Thomas A Rusch (1959-1980)</b>         | Professor of Political Science                               |
| <b>Mercer Price Russell (1964-1992)</b>   | Professor of Biology   |

## S

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| <b>Noriko Saito (1991-2004)</b>     | Professor of Education               |
| <b>Rolando A Santos (1965-2004)</b> | Professor of Education               |
| <b>Patricia Savich (1979-2004)</b>  | Professor of Communication Disorders |

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| <b>Martin J Schiesl (1970-2001)</b>            | Professor of History   |
| <b>William B Schneider (1978-2002)</b>         | Professor of Accounting  |
| <b>Jeanne Schnitzler (1959-1997)</b>           | Professor of Art   |
| <b>Mary L Schreiber (1967-1992)</b>            | Professor of Physical Education  |
| <b>Janet A Seaman (1972-1997)</b>              | Professor of Physical Education  |
| <b>Carl Selkin (1970-2006)</b>                 | Dean, College of Arts Letters, and Professor of English  |
| <b>Penelope Semrau (1988 - 2013)</b>           | Professor of Education   |
| <b>Joseph T Seto (1960-1988)</b>               | Professor of Microbiology  |
| <b>Fred J Shanley (1965-1980)</b>              | Professor of Sociology   |
| <b>Sandra B. Sharp (1986-2013)</b>             | Professor of Biological Sciences   |
| <b>Carleton B Shay (1962-1989)</b>             | Associate Dean, School of Education and Professor of Education   |
| <b>Lilly Shen (1963-1992)</b>                  | Professor of Family Studies and Consumer Sciences  |
| <b>Mary Elizabeth Shutler (1988-1994)</b>      | Provost and Vice President for Academic Affairs and Professor of Anthropology                            |
| <b>Ronald H Silverman (1955-1988)</b>          | Professor of Art   |
| <b>Barbara Peterson Sinclair (1961-1999)</b>   | Professor of Nursing   |
| <b>Katherine Sistrom (1956-1971)</b>           | Assistant Professor of Education   |
| <b>Simeon P. Slovacek (1981-2012)</b>          | Professor of Education   |
| <b>Arthur L Smith (1957-1992)</b>              | Professor of History   |
| <b>Benjamin W Smith (1963-2000)</b>            | Professor of Political Science   |
| <b>Marjorie M Smith (1959-1979)</b>            | Professor of Theatre Arts  |
| <b>Sidney Soclof (1960-2000)</b>               | Professor of Electrical Engineering  |
| <b>David L Soltz (1973-1988 and 1996-2001)</b> | Dean, College of Natural and Social Sciences and Professor of Biology                                    |
| <b>Bernard J Somers (1960-1983)</b>            | Professor of Psychology  |
| <b>Marcel Soriano (1990-2012)</b>              | Professor of Education   |
| <b>Ralph S Spanswick (1970-2000)</b>           | Chair and Professor of Accounting  |
| <b>Frieda A Stahl (1959-1992)</b>              | Professor of Physics   |
| <b>Timothy Steele (1987-2007)</b>              | Professor of English   |
| <b>J Leonard Steinberg (1962-1992)</b>         | Professor of Education   |
| <b>Nadine S. Koch Steinberg (1987-2013)</b>    | Professor of Political Science   |
| <b>John F. Steiner (1973-2010)</b>             | Professor of Management  |
| <b>Milton Stern (1960-1992)</b>                | Professor of Music   |
| <b>William L Sternal (1966-2004)</b>           | Counselor and Associate Dean, Student Affairs  |
| <b>Judith E Stevens-Long (1971-1993)</b>       | Professor of Psychology  |
| <b>Virgil H Stevens (1963-1985)</b>            | Associate Professor of Political Science   |
| <b>Kenneth S Strobel (1955-1975)</b>           | Associate Director of Photographic Services, Audio-Visual Center   |
| <b>Gaby Stuart (1964-1991)</b>                 | Professor of English   |
| <b>Joseph Stubbins (1959-1980)</b>             | Professor of Education   |
| <b>Robert J Stull (1969-2001)</b>              | Professor of Geology   |
| <b>Pudukkottai K Subramanian (1985-2007)</b>   | Chair, Department of Mathematics and Professor of Mathematics, and Adjunct Professor of Computer Science |
| <b>Vito G Susca (1964-1991)</b>                | Professor of Music   |
| <b>Rose-Marie Swallow (1970-1992)</b>          | Professor of Education   |
| <b>R Carol Sweeney (1986-1994)</b>             | Professor of Education   |
| <b>Kenneth N Sweetnam (1957-1983)</b>          | Director, Instructional Media Services, and Professor of Industrial Studies                              |



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| <b>Lillian Taiz (1992-2014)</b>           | Professor of History                                  |
| <b>Ellenore C Takeda (1959-1978)</b>      | Librarian   |
| <b>Lydia M Takeshita (1955-1989)</b>      | Professor of Art                                      |
| <b>Narendra B. Taly (1977-2010)</b>       | Professor of Civil Engineering                        |
| <b>Robert Tamaki (1969-2001)</b>          | Associate Professor of Mathematics                    |
| <b>Le D. Tang (1986-2014)</b>             | Professor of Technology                               |
| <b>Elfleda J Tate (1966-1983)</b>         | Professor of Education                                |
| <b>L Clinton Taylor (1999 - 2007)</b>     | Professor of Education                                |
| <b>William A Taylor (1970-2004)</b>       | Professor of Physics                                  |
| <b>Norwood Teague (1958-1977)</b>         | Professor of Industrial Studies                       |
| <b>Olga A Termini (1972-1996)</b>         | Professor of Music                                    |
| <b>Raymond D Terrell (1973-1992)</b>      | Dean, School of Education, and Professor of Education |
| <b>F Annette Tessier (1969-1986)</b>      | Professor of Education                                |
| <b>John E Thornbury (1988 - 1999)</b>     | Librarian/Reference                                   |
| <b>Maurine Timmerman (1950-1974)</b>      | Professor of Music                                    |
| <b>Roy Tozier (1952-1965)</b>             | Professor of Education                                |
| <b>Dang T. Tran (1987 - 2014)</b>         | Professor of Economics and Statistics                 |
| <b>Nathaniel Trives (1969-1997)</b>       | Professor of Criminal Justice                         |
| <b>Ronald T. Tsukashima (1972-2010)</b>   | Professor of Sociology                                |
| <b>Carol F. Tuntland (1988-2010)</b>      | Professor of Art                                      |
| <b>Alvin E Tuohino (1956-1976)</b>        | Professor of Accounting                               |
| <b>U</b>                                  |   |
| <b>Norman Unrau (1993-2006)</b>           | Professor of Education                                |
| <b>Nguyen Uy (1984-2012)</b>              | Professor of Math                                     |
| <b>V</b>                                  |   |
| <b>Philip D Vairo (1973-1982)</b>         | Dean, School of Education, and Professor of Education |
| <b>Velma J Vance (1956-1991)</b>          | Professor of Biology                                  |
| <b>Stewart M Venit (1971-2009)</b>        | Professor of Mathematics                              |
| <b>Robert C Verkler (1970-1988)</b>       | Professor of Information Systems                      |
| <b>Diane Vernon (1969-2003)</b>           | Professor of Nursing                                  |
| <b>Andrei Verona (1984-2005)</b>          | Professor of Mathematics                              |
| <b>Elizabeth A Viau (1992-2002)</b>       | Professor of Education                                |
| <b>Hildebrando Villarreal (1976-2006)</b> | Professor of Spanish                                  |
| <b>Richard J Vogl (1961-1994)</b>         | Professor of Biology                                  |
| <b>George R Vick (1967-1997)</b>          | Professor of Philosophy                               |
| <b>Paula Vuckovich (2003 - 2016)</b>      | Associate Professor of Nursing                        |
| <b>W</b>                                  |   |
| <b>William C Waddell (1967-1992)</b>      | Professor of Management                               |

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|--|--|
| <b>Kenneth A Wagner (1969 -2001)</b>               | Professor of Political Science   |
| <b>Patricia L Wagner (1962-1996)</b>               | Professor of Physical Education  |
| <b>Roy H Walden (1967-1992)</b>                    | Professor of Art   |
| <b>Edwin Wandt (1954-1983)</b>                     | Professor of Education   |
| <b>Ming-Fang Wang (2005 - 2015)</b>                | Assistant Professor of Nursing   |
| <b>Wen L Wang (1967-1996)</b>                      | Professor of Civil Engineering   |
| <b>Hugh E Warren (1976-2003)</b>                   | Associate Dean, College of Business and<br>Economics,<br>and Professor of Accounting |
| <b>Judith M. Washburn (1974-2011)</b>              | Professor of Education   |
| <b>Paul V. Washburn (1973-2012)</b>                | Professor of Management  |
| <b>Alice V Watkins (1969-1995)</b>                 | Associate Dean, School of Education, and Professor<br>of Education                   |
| <b>Gary Steele Watson (1974-1999)</b>              | Professor of Business Law  |
| <b>Dale Weaver (1998-2014)</b>                     | Professor of Social Work   |
| <b>David J Weiss (1970-2006)</b>                   | Professor of Psychology  |
| <b>John H Weston (1971-1992)</b>                   | Professor of English   |
| <b>Patricia M White (1962-1982)</b>                | Professor of Physical Education  |
| <b>Patti W Schliestett Wiggins<br/>(1956-1990)</b> | Professor of Music   |
| <b>Rhea Williams (1989 -2005)</b>                  | Professor of Nursing   |
| <b>Erika G Wilson (1968-2001)</b>                  | Professor of Economics and Religious Studies   |
| <b>Hubert C Winkler (1968-1979)</b>                | Professor of Physics   |
| <b>Andrew J. Winnick (1996 - 2014)</b>             | Professor of Economics and Statistics  |
| <b>Jeannette Rennner Witucki<br/>(1967-1986)</b>   | Professor of Anthropology  |
| <b>John B Wood (1962-1999)</b>                     | Reference Librarian  |
| <b>John C Woolum (1970-2001)</b>                   | Professor of Physics   |
| <b>Chivey C. Wu (1983-2014)</b>                    | Professor of Mechanical Engineering  |

## Y

|                                       |                        |
|---------------------------------------|------------------------|
| <b>Fleur B Yano (1964-1996)</b>       | Professor of Physics   |
| <b>DeAnn Marie Young (1969 -2001)</b> | Professor of Nursing   |
| <b>Eui-Young Yu (1968-2001)</b>       | Professor of Sociology |
| <b>Gay Yuen (1989-2014)</b>           | Professor of Education |

## Z

|  |  |
|--|--|
| <b>Robert G Zahary (1972-1994)</b>         | Professor of Accounting                  |
| <b>Vicente S Zapata (1978-1999)</b>        | Professor of Health Science              |
| <b>Marlene Zepeda (1990-2012)</b>          | Professor of Child and Family<br>Studies |
| <b>Wayne S Zimmerman (1961-<br/>1980)</b>  | Professor, Counseling Center             |
| <b>Wanna M Zinsmaster (1962-<br/>1992)</b> | Professor of Education                   |



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## Full-time Tenured and Tenure-track Faculty

Listings corrected to July 13, 2014. Year in parentheses indicates year of appointment as a full-time tenure-track faculty member.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

### A

- Russell J. Abbott (1987) Professor of Computer Science**  
 B.A., 1962, Columbia University; M.A., 1963, Harvard University; Ph.D., 1973, University of Southern California
- Melina Abdullah (2002) Acting Chair and Associate Professor of Pan African Studies**  
 B.A., 1994, Howard University, M.A., 1996, Ph.D, 2002, University of Southern California
- Mohammed K. Abed (2008) Associate Professor of Philosophy**  
 B.A., 1999, Victoria University, New Zealand; MSC, 2001, University of London
- Emily Acevedo (2008) Assistant Professor of Political Science**  
 B.A., 1992, University of California Berkley, M.A., 1999, Claremont Graduate University, Ph.D., 2007, Claremont Graduate University
- Raquel Ackerman (1987) Associate Professor of Anthropology**  
 B.A., 1976, Columbia University; Ph.D., 1986, Kings' College, University of Cambridge, U.K.
- Martin J. Adamian (2006) Associate Professor of Political Science**  
 B.A., 1993, Central Michigan University; J.D., 1996, Wayne State University Law School; Ph.D., 2006, Colorado State University.
- Kamran Afary(2017) Assistant Professor of Communication Studies**  
 B.A., 1996, M.A., 1998, California State University, Los Angeles; Ph.D., 2007, Northwestern University
- Shaurya Agarwal (2016) Assistant Professor of Electrical and Computer Engineering**  
 B.Tech., 2009, Indian Institute of Technology Guwahati; M.S. (EE) 2012, M.S. (Math), 2015, PhD., 2015, University of Nevada Las Vegas
- Pauline Agbayani (2002) Professor of Social Work**  
 B.A., 1981, M.S.W., 1984, Ph.D., 1993, University of California, Los Angeles
- Andres Aguilar (2013) Assistant Professor of Biological Sciences**  
 B.S., 1997, Humboldt State University; Ph.D., 2003, University of California, Los Angeles
- Manuel Aguilar-Moreno (1999) Professor of Art**

Diploma in Education, 1994, Instituto Tecnológico y de Estudios Superiores de Occidente, Mexico; Diploma in History of Mexico, 1995, Colegio de Jalisco, Mexico; M.A., 1997; Ph.D., 2000, University of Texas, Austin

**Olaiya Aina (2006) Professor of Education**

B.A., 1989, M.Ed., 1990, University of Ibadan, Nigeria; Ph.D., 1996, University of Alberta, Canada

**Vladimir N. Akis (1982) Professor of Computer Science**

B.A., 1976, California State College, Sacramento; M.A., 1977, University of California, Berkeley; Ph.D., 1982, University of California, Davis

**Radi A. Al-Jishi (1986) Professor of Physics**

B.S., 1975, American University of Beirut, Lebanon; Ph.D., 1982, Massachusetts Institute of Technology

**Emily L. Allen (2013) Dean, College of Engineering, .Computer Science, and Technology and Professor of Mechanical Engineering**

B.S. with Honors, 1984, Columbia University, M.S. 1988, Stanford University, Ph.D., 1992, Stanford University

**Bradford Allison (2007) Assistant Professor of Education**

B.A., 1969, Carthage College, Kenosha; M.S., 1976, University of Wisconsin-Milwaukee; Ph.D., 1981, University of Wisconsin-Madison

**Joanne Altschuler (1995) Professor of Social Work**

A.B., 1971, Indiana University; M.A., 1975, Hebrew Union College; M.A., 1975, Ph.D., 1994, University of Southern California

**Gaston Alzate (2006) Professor of Spanish**

B.A., 1993, Universidad Javeriana, Colombia; M.A., 1991, Universidad del Rosario, Colombia; Ph.D., 1997, Arizona State University

**Gregory D. Andranovich Professor of Political Science (1993)**

B.A., 1978, Clinch Valley College University of Virginia - Wise; M.A., 1980, George Mason University; Ph.D., 1984, University of California, Riverside

**Lois N. Andre-Bechely Associate Professor of Education (2001)**

B.A., 1988, M.A., 1989, Ph.D., 1999, University of California, Los Angeles

**Gretchen Angelo (1995) Professor of French**

B.A., 1987, State University of New York at Buffalo; Ph.D., 1994, Yale University

**Konrad A. Aniol (1984) Professor of Physics**

B.S., 1970, University of Illinois; M.S., 1973, McMaster University, Canada; Ph.D., 1977, Australian National University

**Paula Arvedson (1999) Associate Professor of Education**

B.A., 1982, M.A., 1984, California State University, Los Angeles; Ph.D., 1999, University of California, Los Angeles

**Sheri Atwater (2003) Associate Professor of Education**

B.A., 1996, Stanford University; M.A., 1999; Ph.D., 2003, University of California, Berkeley

**Mohammad Auwal (1994) Professor of Communication Studies**

B.A., 1981, Jahangirnagar University, Bangladesh; M.A., 1991, Ph.D., 1994, Ohio University

**Andre S. Avramchuk Assistant Professor of Management (2012)**

B.S., 2000, SUSU, Russian Federation; M.A., 2006, Ph.D., 2011, Fielding Graduate University

**Mohammad B. Ayati Professor of Information Systems (1982)**

B.S., 1966, University of Tehran, Iran; M.S., 1975, Ph.D., 1980, University of California, Los Angeles

## B

**Yong Ba (2000) Professor of Chemistry**

B.S., 1986, M.A., 1989, Jilin University, China, Ph.D., 1995, Gerhard- Mercator-University of Duisburg, Germany

**Kevin Baaske (1988) Professor of Communication Studies**

B.A., 1976, M.A., 1978, University of Wisconsin-Milwaukee; Ph.D., 1989, University of Southern California

**Sofya Bagdasaryan (2009) Assistant Professor of Social Work**

BA, 1997, University of California, San Diego, MSW, 2001, University of California, Los Angeles, Ph.D., 2005, University of California, Los Angeles,

**Chunsheng Bai (1998) Professor of Communication Studies**

B.A., 1984, Tianjin Foreign Language Institute, People's Republic of China; M.A., 1988, State University of New York, Albany; Ph.D., 1998, University of Southern California

**Beth Baker-Cristales (2002) Director of Latin American Studies and Professor of Anthropology**

B.A., 1989, Sarah Lawrence College; M.A., 1991, Ph.D., 1999, University of New Mexico

**Mark Balaguer (1992) Professor of Philosophy**

B.A., B.S., 1986, University of Colorado; Ph.D., 1992, City University of New York

**Pablo Baler (2006) Professor of Spanish**

B.A., 1991, Hebrew University of Jerusalem; M.A., 1994, Stanford University; Ph.D., 2006, University of California, Berkeley

**Thomas Barkley, Jr. (2001) Professor of Nursing**

B.S.N., 1986, University of Alabama; M.S.N., 1989, University of Virginia; D.S.N., 1994, University of Alabama at Birmingham

**Craig Barrett (2013) Assistant Professor of Biological Sciences**

B.S., 2002, Hartwich College; M.S., 2004, SUNY Binghamton; Ph.D., 2010, Ohio State University

**Deborah R. Baskin (1995) Professor of Criminal Justice and Criminalistics**

B.A., 1975, State University of New York-Buffalo; M.S., 1976, Northeastern University; Ph.D., 1984, University of Pennsylvania

**Celina Benavides (2016) Assistant Professor of Child and Family Studies**

B.A., 2007, University of California, Santa Barbara; M.A., 2009, Whittier College; Ed.M., 2010, Harvard Graduate School of Education; Ph.D., 2016, Claremont Graduate University

**Robert Benjamin Bateman (2009) Associate Professor of English and Liberal Studies**

B.A., 2003, Ph.D., 2009, University of Virginia

**Nicholas Bauch (2011) Assistant Professor of Geography**

B.S., 2001, University of Wisconsin-Madison; M.S., 2005; Ph.D., 2010, UCLA

**Jon Beaupré (2002) Professor of Broadcasting**

B.A., 1976, University of Nevada, M.F.A., 1978, New York University

**Sarah Beeby (2015) Assistant Professor of Art**

B.A., 2009, University of the Arts London; M.A., 2011, Royal College of Art

**Beryl L. Bellman (1989) Professor of Communication Studies**

B.A., 1964, M.A., 1966, University of California, Los Angeles; Ph.D., 1971, University of California, Irvine

**Dolores Beltran (2003) Assistant Professor of Education**

B.A., 1976, Pacific Oaks College; Ph.D., 2004, University of Southern California

**Blair J. Berkley (1995)**                      **Professor of Management**  
B.S., 1979, Ohio State University; M.B.A., 1980, M.A., 1985, University of Arizona; Ph.D., 1988, University of Southern California

**Luis Bermudez (2002)**                      **Professor of Art**  
B.A., 1976, CSU, Northridge, M.A., 1978, CSU, Northridge, M.F.A., 1980, University of California, Los Angeles

**Oscar O. Bernal (1997)**                      **Professor of Physics**  
B.S., 1986, Universidad Nacional de Colombia, Bogota; M.S., 1989, California State University, Los Angeles; Ph.D., 1994, University of California, Riverside

**Enrique Berumen (1997)**                      **Professor of Broadcasting**  
B.A., 1988, University of California, Santa Cruz; M.F.A., 1991, University of Southern California

**Sherwood Best (1993)**                      **Professor of Education**  
B.A., 1973, Pitzer College; M.A., 1980, California State University, Los Angeles; Ph.D., 1995, University of California, Riverside

**Talia Bettcher (2000)**                      **Chair and Professor of Philosophy**  
B.A., 1991, York University, Canada; Ph.D., 1999, University of California, Los Angeles

**Roberta L. Beyer (2009)**                      **Associate Professor of Kinesiology**  
BS, 1981, California State Polytechnic, Pomona, MS, 1987, California State Polytechnic, Pomona, Ph.D., 1993, Texas Woman's University, Denton, Texas

**Jens D. Biermeier (1985)**                      **Professor of Marketing**  
B.S., 1974, Fachhochschule of Cologne, Germany; M.B.A., 1977, Ph.D., 1982, University of Essen, Germany

**Kim M. Bishop (1993)**                      **Chair of Geosciences and Environment and Professor of Geological Sciences**  
B.S., 1979, University of California, Los Angeles; M.S., 1985, California State University, Northridge; Ph.D., 1994, University of Southern California

**Carol Blaszczyński (1997)**                      **Professor of Information Systems**  
B.S., 1978, M.A., 1982, California State University, Los Angeles; Ph.D., 1997, Claremont Graduate School

**David Blekhman (2007)**                      **Professor of Technology**  
B.S., M.S., 1995, Saint Petersburg State Technical University, Ph.D., 2002, State University of New York - Buffalo

**Alan J. Bloom (1981)**                      **Professor of Broadcasting**  
B.A., 1973, Sonoma State College; M.F.A., 1975, California College of Arts and Crafts

**Cristina Bodinger-de Uriarte (1994)**                      **Professor of Sociology**  
B.A., 1978, Yale University; Ph.D., 1989, Harvard University

**Daniel Borough (2002)**                      **Assistant Professor of Geography**  
B.A., 1993, M.A., 1999, California State University, Los Angeles; Ph.D., 2002, Arizona State University.

**Maria Kathleen Boss (1988)**                      **Professor of Finance and Law**  
B.A., 1965, University of California, Davis; J.D., 1974, University of California, Hastings College of Law; Admitted to the Bar, 1974, California

**Scott Bowman (1997)**                      **Professor of Political Science**  
B.A., 1971, University of California, Berkeley; M.A., 1974, Ph.D., 1989, University of California, Los Angeles

**James Brady (1998)**                      **Professor of Anthropology**  
B.A., 1970, University of California, Berkeley; M.A., 1974, California State College, Los Angeles; Ph.D., 1989, University of California, Los Angeles

**Scott A. Breivold (2000)**                      **Librarian**  
B.A., 1985, Minnesota State University-Moorehead; M.L.S., 1986, University of Wisconsin-Madison

**Dwan M. Bridges (1991)**                      **Professor of Kinesiology**  
B.S., 1975, M.Ed., 1976, Louisiana State University; M.S., 1984, Loyola University, Louisiana; Ph.D., 1992, Ohio State University

**Gary Brookfield (2003)**                      **Associate Professor of Mathematics**  
B.S., 1978, M.S. 1981, University of British Columbia Vancouver; Ph.D., 1997, University of California Santa Barbara

**Karin A. Elliott Brown (1998)**              **Dean, Office of Graduate Studies**  
B.S.W., 1984, Cornell University; M.S.W., 1986; M.A., 1988, Ph.D., 1990, University of Michigan

**Lawson Bush (2002)**                         **Professor of Education**  
B.S., 1993, M.A., 1994, California Polytechnic State University, San Luis Obispo, Ph.D., 1998, Claremont Graduate School

**Mary E. Bush (1993)**                         **Professor of English**  
B.A., 1972, State University of New York at Buffalo; M.A., 1980, D.A., 1984, Syracuse University

## C

**Michael A. Calabrese (1994)**              **Professor of English**  
B.A., 1983, Columbia University; M.A., 1986, Ph.D., 1991, University of Virginia

**Bradley Campbell (2008)**                  **Associate Professor of Sociology**  
B.A., 1996, Lee College; M.A., 2000, Clemson University, Ph.D., 2008, University of Virginia

**Randy V. Campbell (1991)**                 **Professor of Education**  
B.A., 1976, B.S., 1976, University of the Pacific; M.S., 1981, Rh.D., 1988, Southern Illinois University at Carbondale

**Sergio Canavati (2014)**                      **Assistant Professor of Management**  
  
B.A., 2007, William Jewell College; MBA, 2009, University of Missouri-Kansas City (UMKC); M.A., 2012, UMKC; Ph.D. Candidate, 2015, UMKC.

**Samantha Carrington (1986)**              **Associate Professor of Economics and Statistics**  
B.A., 1974, National University of Iran; M.A., 1981, Ph.D., 1985, University of California, Santa Barbara

**Michael J. Carter (1990)**                    **Associate Professor of Education**  
B.A., 1979, University of California, Los Angeles; M.A., 1982, California State University, Northridge; MFCC, 1984, Ph.D., 1993, University of California, Los Angeles

**Mario Castaneda (2008)**                    **Assistant Professor of Education**  
B.A., 1980, California State University, Long Beach; M.A., 1997, University of San Francisco; Ed.D., 2006, Pepperdine University

**Mauricio Castillo (2008)**                  **Associate Professor of Technology**  
B.S., 1997, M.S., 2003, California State University, Los Angeles, Ph.D., 2007, Colorado State University

**Ramon A. Castillo (2003)**                  **Associate Professor of Economics and Statistics**  
B.A., 1993, California State University, Northridge; M.A., 1998, University of Southern California, Irvine; Ph.D., 2000, University of California, Irvine

**Tammy Chan (2009)**                         **Assistant Professor of Mechanical Engineering**  
B.S., 1994, Rice University, M.S., 1996, University of California, Irvine, Ph.D., 2005, University of California, Irvine

**Derek K. Chang (1983) Professor of Mathematics**

M.S., 1978, Ph.D., 1983, University of California, Riverside

**Tammy Chan (2009) Assistant Professor of Mechanical Engineering**

B.S., 1994, Rice University, M.S., 1996, University of California, Irvine, Ph.D., 2005, University of California, Irvine

**Lena Chao (1993) Professor of Communication Studies**

B.A., 1978, University of California, Los Angeles; M.A., 1983, Ph.D., 1991, University of Southern California

**Hema Chari (1992) Professor of English**

M.A., 1988, Ph.D., 1992, University of Southern California

**Choi Chatterjee (1994) Professor of History**

B.A., 1984, M.A., 1989, University of Calcutta, India; Ph.D., 1994, Indiana University

**Anna Chee (1998) Associate Professor of Education**

B.A., 1986, California State University, Los Angeles; M.S., 1995, University of Southern California, Ph.D., 2002, University of Southern California

**Li-Hsueh Chen (1998) Professor of Economics and Statistics**

B.A., 1992, National Taiwan University; M.A., 1995, Ph.D., 1998, University of Michigan

**Pearl Chen (2002) Associate Professor of Education**

B.S., 1984, Chinese Culture University, Taiwan, M.S., 1992, Ph.D., 1999, Kansas State University, Manhattan

**Xiaolei (Lily) Chen (2015) Assistant Professor of Technology**

B.Eng & M.Eng, 1995, M.S., 2014, Worcester Polytechnic Institute, Worcester, Ph.D., 2006, University of California, Berkeley

**Hsin-Fu Chiu (2015) Assistant Professor of Chinese**

B.A., 2003, National Chengchi University; M.A., 2007, Ph.D., 2011, University of California, Los Angeles

**Mikyung Mika Cho (1991) Chair and Professor of Art**

B.F.A., 1982, M.F.A., 1984, Sook Myung Women's University, Korea; M.A., 1988, Ph.D., 1992, Illinois State University

**Wai Kit Choi (2007) Associate Professor of Sociology**

B.A., 1990, University of Wisconsin; M.A., 2000, University of Chicago; Ph.D., 2007, University of California Irvine

**Jon D. Christensen (2009) Assistant Professor of Nursing**

BS, 1989, Weber State University, Ogden, Utah, MS, 2000, Brigham Young University, Provo, Utah

**Margaret D. Clark (1999) Associate Professor of Education**

B.A., 1980, M.A., 1983, California State University, Los Angeles; Ph.D., 1998, University of California, Los Angeles/California State University, Los Angeles

**Msia Kibona Clark (2009) Assistant Professor of Pan-African Studies**

BA, 1998, Johnson C. Smith, MA, 2001, American University, Ph.D., 2001, Howard University

**Michael Clarke (2015) Assistant Professor of Broadcasting**

B.A., 2001, University of Michigan; M.A., 2004, Ph.D., 2010, University of California, Los Angeles

**Nancy J. Cohick (2001) Professor of Communication Disorders**

B.A., 1993, University of California, Santa Barbara; M.A., 1994, University of the Pacific; Ph.D., 2001, University of Nebraska-Lincoln

**David N. Connors (1990) Interim Associate Dean, College of Arts and Letters, Professor of Music and Theatre Arts and Dance**

B.Mus., B.M.E., 1980, Bradley University; M.M., 1988, D.M.E., 1995, University of Cincinnati



**Angela Cooke-Jackson (2017) Associate Professor of Communication Studies**

B.A., 1985, Cedarville University; M.A., 1989, University of Dayton; Ph.D., 2006, MPH, 2010, University of Kentucky

**Randolph Cooper (2001) Associate Professor of Mathematics**

B.S., 1992, California State University, Los Angeles; Ph.D., 1996, University of California, Los Angeles

**Andrew Cornwell (1997) Professor of Kinesiology**

B.S., 1983, Portsmouth Polytechnic, England; M.S., 1987, Southhampton University, England; M.S., 1992, Colorado State University; Ph.D., 1997, Louisiana State University

**Anthony Cox (2002) Professor of Broadcasting**

B.A., 1970, M.F.A., 1972, University of California, Los Angeles

**Susan Crimmins (2000) Professor of Social Work**

B.S., 1977, Northeastern University; M.S.W., 1984, Hunter College, M. Phil., Ph.D., 1995, City University of New York, John Jay College of Criminal Justice

**George H. Crocker (2016) Assistant Professor Exercise Physiology**

B.S., 2005 University of California, Santa Cruz; M.S., 2010, University of California Davis; Ph.D., 2014, University of California Davis.

**Gar Culbert (2009) Assistant Professor of Political Science**

B.A., 1997, University of California, Santa Cruz; M.A., 2001, Brandeis University; Ph.D., 2010, University of Virginia

## D

**Fred Daneshgaran Chair and Professor of Electrical Engineering**

**(1987)**

B.S., 1983, M.S., 1985, California State University, Los Angeles; Ph.D., 1992, University of California, Los Angeles

**Abbas Daneshvari Professor of Art**

**(1982)**

B.S., 1969, California State College, Hayward; M.A., 1971, University of Massachusetts; Ph.D., 1977, University of California, Los Angeles

**Taylor Dark (2007) Associate Professor of Political Science**

B.A., 1983, University of California Berkeley; M.A., 1986, University of California Berkeley; Ph.D., 1993, University of California Berkeley

**Rebecca L. Davis Professor of Art**

**(1990)**

B.S., 1977, University of Delaware; Ph.D., 1984, University of Maryland

**Paul De Castro Professor of Music**

**(1997)**

B.A., 1989, M.A., 1992, California State University, Los Angeles; D.M.A., 2002, University of Texas at Austin

**Ray D. de Leon Professor of Kinesiology**

**(2001)**

B.S., 1990, Ph.D., 1998, University of California, Los Angeles

**D. Robert DeChaine Professor of Liberal Studies and Communication Studies**

**(2004)**

B.A., 1994, CSU, San Bernardino, M.A., 1996, CSU, Los Angeles, Ph.D., 2002, The Claremont Graduate University

**Jessica L. DeShazo Assistant Professor of Political Science**

**(2013)**

B.A., 2005, University of Louisiana at Lafayette; PhD, in progress, Northern Arizona University

**Richard C. Dean Associate Professor of Philosophy**

**(2009)**

B.A., 1986, University of Oregon; M.A., 1991, Ph.D., 1999, University of North Carolina at Chapel Hill

**Rakel Delevi (2009) Assistant Professor of Child and Family Studies**

BS, BA, 2003, Koc University, Istanbul, Turkey, MA, 2005, Syracuse University, New York, Ph.D., 2008, Florida State University, Tallahassee

**Roger Delgado Professor of Social Work**

**(1979)**

B.S., 1967, Brigham Young University; M.S.W., 1970, University of Texas; Ph.D., 1984, University of Southern California

**Jessica Michele Associate Professor of Psychology**

**Dennis (2005)**

B.A., 1998, University of California Riverside, M.A., 2000, University of California Riverside, Ph.D., 2003, University of California Riverside

**Robert A. Desharnais Professor of Biological Sciences**

**(1988)**

B.A., 1976, University of Massachusetts at Boston; M.S., 1979, Ph.D., 1982, University of Rhode Island

**David Díaz (2007) Professor of Chicano Studies**

B.A., 1974, California State University Northridge, M.C.R.P., 1976, University of California Berkley, Ph.D., 1994, UCLA

**Mary L. Díaz (1977) Counselor**

B.A., 1971, San Fernando Valley State College; M.S.W., 1973, San Diego State College; Ph.D., 1994, Claremont Graduate School

**Foad Dizadji- Assistant Professor of Philosophy**

**Bahmani (2013)**

B.S., 2003, M.A., 2005, University of Bristol; Ph.D., 2012, London School of Economics

**Melvin Donalson Professor of English**

**(2004)**

B.A., 1973, Bates College, M.A., 1975, University of Iowa, Ph.D., 1981, Brown University

**Jianyu (Jane) Dong Associate Dean, College of Engineering, Computer Science and Technology, and Professor of Electrical and Computer Engineering**  
**(2002)**

B.S., 1995, M.S., 1998, University of Science and Technology, China; Ph.D., 2002, Ohio State University

**Adelaide Doyle- Professor of Education**

**Nichols (1999)**

B.A., 1981, M.A., 1990, California State University, Los Angeles; Ph.D., 1997, University of Southern California

**Elaine Draper (2002) Professor of Sociology**

B.A., 1976, University of California, Santa Cruz; M.A., 1979, Ph.D., 1985, University of California, Berkeley

**Ellen A. Drost (2006) Assistant Professor of Management**

B.S., 1989, M.B.A., 1993, San Diego State University; Ph.D., 2001, Florida International University

**Ramani S. Durvasula Professor of Psychology**

**(1999)**

B.S., 1988, University of Connecticut; M.A., 1993, Ph.D., 1997, University of California, Los Angeles

**Christine Dy (2009) Assistant Professor of Kinesiology**

BA, 2001, University of California, Berkeley.

## E

**Tim Ebner (2001)**

**Professor of Art**

B.F.A. 1979, M.F.A., 1982, California Institute of the Arts

**John Eichinger (1992)**

**Professor of Education**

B.S., 1974, M.S., 1980, California State Polytechnic College, Pomona; Ph.D., 1990, Claremont Graduate School

**Mitchell L. Eisen (1997)**

**Professor of Psychology**

B.A., 1983, University of New Mexico; M.A., 1987, University of Chicago; Ph.D., 1993, University of Miami

**Edward Eivers (2011)**

**Assistant Professor of Biological Sciences**

B.Sc., 1999, Ph.D., 2004, National University of Ireland, Galway

**Rafik Z. Elias (2003)**

**Professor of Accounting**

B.S., 1991, Rutgers University-New Jersey; M.S., 1993; Long Island University; Ph.D., 1997, Louisiana Tech University

**El-Hussein E. El-Masry (2002)**

**Associate Professor of Accounting**

Bachelor of Management Science, 1993; Sadat Academy for Management Science (Egypt); M.B.A., 1996; University of Memphis; Ph.D., 2003, University of Florida

**Andre Ellis (2009)**

**Associate Professor of Geological Sciences**

B.Sc., 1995, University of Bombay (St. Xavier's College), India; M.Sc., 1997, Indian Institute of Technology-Bombay, India; Ph.D., 2003, University of Illinois at Urbana-Champaign

**Erica Ellis, Ph.D. (2015)**

**Assistant Professor**

B.A., 2006, San Diego State University, Ph.D., 2013, San Diego State University/University of California, San Diego.

**Joel Ellwanger (2002)**

**Associate Professor of Psychology**

B.A., 1989, University of Wisconsin-Madison; M.S., 1994, Ph.D., 1997, Northwestern University

**Christopher Endy (2000)**

**Professor of History**

B.A., 1994, Duke University, M.A., 1996, Ph.D., 2000, University of North Carolina, Chapel Hill

**Louis Esparza (2011)**

**Assistant Professor of Sociology and Latin American Studies**

B.A., 2003, Tufts University; M.A, 2006, Ph.D., 2010, Stony Brook University

**Alex Espinoza (2016)**

**Professor of Creative Media**

B.A., 2001, University of California, Riverside; M.F.A., 2004, University of California, Irvine

**Dionne Espinoza (2002)**

**Professor of Chicano Studies and Liberal Studies**

B.A., 1990, University of California, Berkeley; M.A., 1994, Ph.D., 1996, Cornell University

## F

**Hsing Fang (1987)**

**Chair and Professor of Finance and Law**

B.A., 1974, National Taiwan University; M.A., 1977, National Chengchi University; Ph.D., 1986, Arizona State University

**Diane Fazzi (1992)**

**Associate Dean, Charter College of Education and Professor of Education**

B.S., 1983, Kutztown University of Pennsylvania; M.Ed., 1984, University of Arkansas; Ph.D., 1993, California State University, Los Angeles/University of California, Los Angeles

**Gaithri Fernando (2002)**

**Professor of Psychology**

B.A., 1986, University of Toronto, Canada; M.A., 1987, Yale University, M.A., 1994, Ph.D., 1996, Fuller Theological Seminary

**Joan Fingon (2003)**

**Professor of Education**

B.S., 1973, Southern Connecticut State University; M.A., 1980, Castleton State College; Ed.D., 1990, Vanderbilt University

**Miles M. Finney (1991) Professor of Economics and Statistics**

B.A., 1986, University of Texas, San Antonio; M.A., 1989, Ph.D., 1992, University of Houston

**Darlene N. Finocchiaro (2009) Assistant Professor of Nursing**

BS, 1993, California State University, Los Angeles, MS, 1990, California State University, Los Angeles.

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B.A., 2011, M.F.A., 2014, California State University, Los Angeles

**Kirsten Fisher (2007) Assistant Professor of Biological Sciences**

B.A., 1996, University of California Santa Cruz; Ph.D., 2004, University of California Berkley

**Blythe FitzHarris (2009) Assistant Professor of Social Work**

BS, 1994, Mary Washington University, Fredricksburg, Virginia, MSW, 1999 Arizona State University, Tempe, Arizona

**Cari Flint (1999) Associate Professor of Communication Disorders**

B.A., 1987, M.A. 1989, Ph.D., 1995, University of California, Santa Barbara

**Eileen Ford (2009) Associate Professor of History**

B.A., 1996 History, University of Illinois Urbana-Champaign; M.A., 1998, University of Illinois at Chicago; Ph.D., 2008, University of Illinois Urbana-Champaign

**James Ford III (2003) Professor of Music**

B.M., 1994, Valdosta State University, M.M., M.M.E., 1997, University of North Texas

**Krishna L. Foster (2000) Professor of Chemistry**

B.S., 1992, Spelman College, Ph.D., 1998, University of Colorado, Boulder

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B.A., 1982, State University of New York at Brockport; M.S., 1984, Ph.D., 1989, Southern Illinois University at Carbondale

**Grant A. Fraser (1982) Action Chair and Professor of Mathematics**

A.B., 1964, M.A., 1969, Ph.D., 1970, University of California, Los Angeles

**Gabriela Fried-Amilivia (2006) Associate Professor of Sociology**

B.A., 1988, Universidad de La Republica, Montevideo; M.A., 1993, University of Paris VII, Jussieu, France; M.A., 1998, Ph.D., 2004, University of California, Los Angeles

**Colleen Friend (2005) Assistant Professor of Communication Disorders**

B.S., 1974, University of Dayton; M.S., 1981, Ph.D., 2004, Case Western Reserve University

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B.A., 1989, Brown University; M.A., 1991, Ph.D., 1995, University of Michigan

## G

**David A. Gadish (2002) Associate Professor of Information Systems**

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**Nandakumar Ganesan (1985) Acting Chair and Professor of Information Systems**

B.Sc., 1975, University of Ceylon, Sri Lanka; M.A., 1977, University of Lancaster, England; Ph.D., 1981, University of Birmingham, England

**Margaret Garcia (1993) Associate Dean of Undergraduate Studies and Professor of Education**

B.A., 1986, University of California, Los Angeles; M.A., 1990, University of California, Berkeley; Ph.D., 1996, University of California, Los Angeles

**Dustin Garnet (2017)**                      **Assistant Professor of Art**  
B.A., 2003, B.Ed., 2004, University of Toronto; M.Ed., 2010, York University; D.A.Ed., 2015, Concordia University

**James Garrett (2003)**                      **Chair and Professor of English**  
B.A., 1982, University of California, Los Angeles, M.A., 1993, CSU, Los Angeles, Ph.D., 1999, University of Southern California

**Jennifer Garrison (2007)**                      **Associate Professor of Geological Sciences**  
B.S., 1995, Colorado State University; M.S., 1998, New Mexico State University; Ph.D., 2004, UCLA

**Michael A. Germano (2009)**                      **Sr. Assistant Librarian**  
B.A., 1987, St. Joseph's University; J.D., 1990, Temple University; M.A., 1992, New York University; M.S., 1994, Simmons College

**Roseann Giarrusso (2005)**                      **Professor of Sociology**  
B.A., 1974, UCLA; M.A., 1981, UCLA; Ph.D., 1987, UCLA

**Frank A. Gomez (1993)**                      **Professor of Chemistry**  
B.A., 1986, California State University, Los Angeles; Ph.D., 1991, University of California, Los Angeles

**Lucian Gomoll (2014)**                      **Assistant Professor of Liberal Studies**  
B.A., 2003, University of Michigan; M.A., 2004, New York University, M.A., 2008, Ph.D., 2012, University of California, Santa Cruz

**José Cruz González (1990)**                      **Professor of Theatre Arts**  
B.A., 1980, University of California, San Diego; M.A., 1982, Arizona State University; M.F.A., 1985, University of California, Irvine

**Ambika Gopalakrishnan (2001)**                      **Associate Professor of Education**  
B.A., 1991, Bangalore University, India; M.A., 1993, University of Hyderabad, India; Ph.D., 2001, Ohio State University

**Sara Graef (2002)**                      **Professor of Music**  
B.M., 1992, Southern Methodist University, M.M., 1994, D.M.A., 2000, University of Southern California

**Paul Stuart Graham (2002)**                      **Professor of Theatre Arts**  
B.A., 1976, North Dartmouth, M.F.A., 1997, California State University, Long Beach

**Christopher Gravis (2017)**                      **Assistant Professor of Music**  
B.Mus., 2004, University of Redlands; M.M., 2009, California State University, Fullerton; DMA, 2016, University of Southern California

**Shirley B. Gray (1994)**                      **Professor of Mathematics**  
B.A., 1957, Western Kentucky University; M.A., 1966, Columbia University; Ph.D., 1991, University of Southern California

**Lisa Graziano (2007)**                      **Assistant Professor of Criminal Justice and Criminalistics**  
B.A. 1997, Governors State University Park Illinois, M.A., 2003 University of Illinois at Chicago, Ph.D., 2007, University of Illinois at Chicago

**Linda M. Greenberg (2009)**                      **Associate Professor of English**  
B.A., 2000, Pomona College; M.A., 2003, University of California, Los Angeles

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B.A., 1991, Emerson College

**Darrell W. Guillaume (1999)**                      **Chair and Professor of Mechanical Engineering**  
B.S., 1983, M.S., 1987, San Diego State University; Ph.D., 1997, University of California, Irvine. Registered Professional Mechanical Engineer, 1987, California

**Huiping Guo (2005)****Associate Professor of Computer Science**

B.S., 1992, Nanjing University of Aeronautics and Astronautics; M.S., 1999, Nanjing University of Aeronautics and Astronautics; Ph.D., 2003, University of Ottawa

**Jiang Guo (2002)****Professor of Computer Science**

B.S., 1989, University of Science and Technology of China; M.S., 1992, Computing Center of Chinese Academy of Sciences; Ph.D., 1996, Beijing University of Aeronautics and Astronautics, People's Republic of China

**Borislava Gutarts (2004)****Associate Professor of Mathematics**

B.S., 1999, M.A., 2001, Ph.D. 2004, University of California, Los Angeles

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**H****Diane Haager (1992)****Professor of Education**

B.S.Ed., 1976, Miami University; M.Ed., 1986, University of Miami; Ph.D., 1992, University of Wisconsin

**Kristiina Hackel (2004)****Professor of Broadcasting**

B.A., 1992, Case Western Reserve University, M.A., 1997, University of Southern California, M.F.A., 2000, University of Southern California, Ph.D., 2003, University of Southern California

**Anne L. Hafner (1993)****Chair of Applied and Advanced Studies in Education and Professor of Education**

B.A., 1974, University of California, Santa Cruz; M.F.A., 1983, University of Southern California; Ph.D., 1990, University of California, Los Angeles

**C.R.D. Halisi (2001)****Professor of Pan African Studies**

B.A., 1971, California State Polytechnic University, Pomona; M.A., 1973, Ph.D., 1988, University of California, Los Angeles

**Audrey Ham (2008)****Assistant Professor of Education**

B.A., 1987, Barnard College, Columbia University; Ed.M., M.A., Teachers College, Columbia University, 1993; Ph.D., 2004, New York University

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B.A., 1995, University of California, Irvine; M.A., 1999, San Francisco State University

**Kathryn A. Hansen (1998)****Chair and Professor of Accounting**

B.S., 1989, Winona State University; M.B.A., 1990, University of Wisconsin-La Crosse; Ph.D., 1996, George Washington University

**Catherine Marley Haras (2005)****Associate Librarian**

B.S., 1981, Boston University; M.L.I.S., 2002, University of Washington

**Christopher S. Harris (2009)****Associate Professor of English**

B.A., 1998, M.A., 2000, South Dakota State University; Ph.D., 2006, Bowling Green State University, Ohio

**Hassan Hashemian (1980)****Professor of Civil Engineering**

B.S., 1972, M.S., 1974, University of Wisconsin; Ph.D., 1981, University of California, Berkeley; Registered Professional Civil Engineer, 1982, Wisconsin

**James Hatfield (2008)****Professor of Theatre Arts**

B.S., 1974, M.A., 1975, Ball State University; Ph.D., 1981, Wayne State University

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B.A., 1989, Pomona College; M.A., 1990, Ph.D., 1999, University of Chicago

**Haihong He (2004)** **Associate Professor of Accounting**  
B.A., 1993, Anhui Institute of Financial & Trade (China); M.A., 1996, Xiamen University (China); Ph.D., 2004, University of Connecticut

**Michael J. Henderson (1994)** **Professor of Art**  
B.F.A., M.F.A., 1972, Otis Art Institute

**Melisa Hendrata (2009)** **Assistant Professor of Mathematics**  
B.S., 2002, M.S., 2004, UCLA; Ph.D., 2009, University of California, Santa Barbara

**Anthony Cruz Rivera Hernandez (1999)** **Associate Professor of Education**  
B.A., 1980, University of California, Riverside; M.A., 1983, Ph.D., 1990, University of California, Los Angeles

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B.A., 1991, M.A., 1996, Ph.D., 2002, University of California, Irvine

**Maria Y. Hernandez (2016)** **Assistant Professor of Social Work**  
B.A., 2002, Mount St. Mary's College; M.S.W., 2005, University of Southern California; Ph.D., 2012, University of California, Berkeley.

**Karen Herold (2010)** **Assistant Professor of Nursing**  
B.S., 1997, Whittier College, OB-GYN NP, 1998, Harbor-UCLA, M.S.N., 2005, California State University, Long Beach, F.N.P., 2010, Case Western Reserve, D.N.P, Case Western Reserve

**Denise C. Herz (2002)** **Professor of Criminal Justice**  
B.A., 1991, Hood College; M.A., 1994, Ph.D., 1997, University of Maryland at College Park

**Silvia P. Heubach (1994)** **Professor of Mathematics**  
B.A., 1983, M.S., 1986, University of Ulm, Germany; M.S., 1989, Ph.D., 1992, University of Southern California

**Barry Hibbs (1997)** **Professor of Geological Sciences**  
B.S., 1985, Arizona State University; M.S., 1989, University of Nebraska-Lincoln; Ph.D., 1993, University of Texas at Austin

**Kathryn A. Hillstrom (2008)** **Assistant Professor of Nutritional Science**  
B.S., 1993, University of California, Santa Barbara; M.P.H., 1996, The University of North Carolina at Chapel Hill

**Kathleen Hinoki (2016)** **Assistant Professor of Nursing**  
B.S.N., 1978, California State University, Los Angeles; M.S.N., 1982, California State University, Los Angeles; Ph.D., 2016, Claremont Graduate University.

**Beth R. Hoffman (2008)** **Assistant Professor of Health Science**  
B.A., 1998, University of Maryland, Baltimore County; M.P.H., 2003, University of Southern California; Ph.D., 2005, University of Southern California

**Michael J. Hoffman (1981)** **Professor of Mathematics**  
B.S., 1970, Massachusetts Institute of Technology; M.A., 1973, Ph.D., 1979, University of California, Berkeley

**Jai Hong (2002)** **Associate Professor of Technology**  
B.A., 1983, Kyungwon College, Korea; B.A., 1986, William Penn College; M.S., 1989, Ph.D., 1993, Iowa State University

**Nicole Horejsi (2014)** **Assistant Professor of English**  
B.A., 2000, San Francisco State University; M.A., 2003, Ph.D., 2006, University of California, Los Angeles

**Mohammed (David) I. Hossain (2003)** **Associate Professor of Accounting**  
B.S., 1984, Texas A&M University; M.S., 1986, Texas A&M University; Ph.D., 2003, Rutgers, The State University of New

Jersey

**H. Rika Houston (1997) Professor of Marketing**

B.S., 1987, Kansas State University; M.B.A., 1990, California State University, Long Beach; Ph.D., 1997, University of California, Irvine

**Edward W. T. Hsieh (1989) Professor of Economics and Statistics**

B.A., 1978, National Taiwan University; Ph.D., 1988, University of Houston

**Senqi Hu (2011) Chair and Professor of Psychology**

Medicine, 1977, Shanghai College of Chines Traditional Medicine; M.S., 1988, Ph.D., 1990, Pennsylvania State University

**Shihao Hu (2016) Assistant Professor of Mechanical Engineering**

BS, 2005, Hebei University of Technology; MS, 2008, Hebei University of Technology; Ph.D., 2012, The University of Akron

**Adam S. Huarng (1999) Professor of Information Systems**

B.A., 1982, Tunghai University, Taiwan; M.S., 1985, United States International University; Ph.D., 1993, University of Memphis

**Angela L. Hudson (2015) Associate Professor of Nursing**

B.S.N., 1986, San Diego State University , M.S., 1993, San Diego State University , Ph.D., 1999, University of California, San Francisco,  
Post-doctoral study (1999-2001) University of California, San Francisco, Post Master's Nurse Practitioner Certificate, 2005, California State University, Fresno

**Cynthia Hughes (2000) Director and Professor of Nursing**

B.S., 1968, University of Wisconsin; M.Ed., 1975, Ed.D., 1980, Columbia University

**Martin Huld (1998) Professor of English**

B.A., 1972, California State University, Los Angeles; Ph.D., 1979, University of California, Los Angeles

**Richard W. Hurst (1978) Professor of Geological Sciences**

B.S., 1970, State University of New York at Stony Brook; Ph.D., 1975, University of California, Los Angeles

**Anh-Luu T. Huynh-Hohnbaum (2003) Associate Professor of Social Work**

B.A., 1995, Occidental College, Los Angeles; M.S.W., 1999, CSU, Long Beach; Ph.D., 2003, University of California, Los Angeles

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**Peter J. Ivory (2004) Associate Professor of Communication Disorders**

B.A., 1975, University of California, Santa Barbara; M.S., 1978, University of Wisconsin-Stevens Point; Ph.D., 1983, University of Kansas

**Alicia Izquierdo-Edler(2006) Assistant Professor of Psychology**

B.S., 1996, Emory University; Ph.D., 2002, The George Washington University

J

**Blake Jackson (2001) Professor of Broadcasting**

B.F.A., 1984, Tulane University, M.F.A., 1991, University of Southern California

**Tyrone W. Jackson (2003) Chair and Professor Marketing**

B.A./B.S., 1979, Morgan State University; M.S., 1982, Yale University; Ph.D./M.S., 1995, University of California, Berkeley

**Pera Jambazian (1997) Professor of Nutritional Science**

B.S., 1981, California Lutheran University; M.S., 1988, California State University, Northridge; Dr.P.H., 2003, Loma Linda University



**Arash Jamehbozorg (2013)**                      **Assistant Professor of Electrical and Computer Engineering**  
B.S., 2005, M.S., 2009, Iran University of Science and Technology; PhD, 2013, Tennessee Technological

**Marianne L. James (1998)**                      **Professor of Accounting**  
B.A., 1989, M.A., 1991, Ph.D., 1998, Florida International University

**Manisha Javeri (2003)**                      **Assistant Professor of Education**  
B.S., 1989; M.S. 1992; B.A. 1993, University of Bombay; Ph.D., 2003, University of Northern Colorado

**Donald J. Johnson (2003)**                      **Associate Professor of Criminal Justice and Criminalistics**  
B.S., 1961, Springfield College; M.A., 1969, William Patterson University; Ed.D., 1985, Rutgers University

**Rebecca Joseph (2003)**                      **Associate Professor of Education**  
B.A., 1985, Harvard University; M.A., 1994, Towson State University; Ph.D., 2005, University of California, Los Angeles

## K

**Lia Kamhi-Stein (1997)**                      **Professor of Education**  
B.A., 1979, Salvador University, Argentina; M.A., 1991, California State University, Los Angeles; Ph.D., 1995, University of Southern California

**Susan W. Kane (2001)**                      **Professor of Music**  
B.M., 1983, University of Iowa; M.M., 1990, D.M.A., 2000, University of Cincinnati

**Tanya Kane-Parry (2001)**                      **Professor of Theatre Arts**  
B.F.A., 1988, New York University; M.F.A., 2001, University of Massachusetts Amherst

**Eun-Young Elaine Kang (2004)**                      **Professor of Computer Science**  
B.S., Sejong University, 1992, M.S., Hongik University, 1995, PhD, 2003, University of Southern California

**Maria Karafilis (1999)**                      **Professor of English**  
B.A., 1990, University of California, Berkeley; M.A., 1993, University of Maryland at College Park; Ph. D., 1999, University of Maryland at College Park

**Alice K. Kawakami (2006)**                      **University Librarian**  
B.A., 1970, California State College, Los Angeles; M.L.S. 1991, University of California, Los Angeles

**John M. Kennedy (1996)**                      **Professor of Music**  
B.M., 1984, Wallace College; M.M., 1988, D.M.A., 2002, University of Michigan

**Robert Kennison (2006)**                      **Associate Professor of Psychology**  
B.A., 1986, California State University, Fullerton; M.A, 1991, California State University, Fullerton; Ph.D., 2000, Claremont Graduate University

**Ryan Kettler (2005)**                      **Assistant Professor of Education**  
B.A., 1990, University of Michigan; M.S., 2002, Ph.D. 2005, University of Wisconsin, Madison

**Arezoo Khodayari (2015)**                      **Assistant Professor of Civil Engineering**  
B.S., Chemical Engineering, 2004, Tehran University; M.S., Chemical Engineering, 2007, Sharif University of Technology; M.S., Air Quality Engineering and Science in Civil and Environmental Engineering, 2010, University of Illinois at Urbana-Champaign; Ph.D., Air Quality Engineering and Science in Civil and Environmental Engineering, 2013, University of Illinois at Urbana-Champaign; Postdoctoral Research Associate, Atmospheric Sciences, 2013-2015, University of Illinois at Urbana-Champaign

**Nazareth Khodiguiian (1990)**                      **Director, School of Kinesiology .and Nutritional Science and Professor of Kinesiology**  
Diploma, 1973, Armenian State Institute of Physical Education; Ph.D., 1986, University of Southern California



B.A., 1992, Princeton University; Ph.D., 1998, University of California, San Diego

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B.A., 2007, Bryn Mawr College; M.A., 2012, University of Illinois at Urbana-Champaign; Ph.D., 2015, University of Illinois at Urbana-Champaign

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B.S., 1973, Ohio State University; M.B.A., 1980, Ph.D., 1980, University of California, Berkeley

**Antony Kunnan (1992) Professor of Education**

B.A., 1974, M.A., 1976, Bangalore University, India; Post-master's Diploma in the Teaching of English, 1980, M. Litt., 1984, Central Institute of English and Foreign Languages, India; Ph.D., 1991, University of California, Los Angeles

**Jim Y. J. Kuo (2016) Assistant Professor of Mechanical Engineering**

BASc, 2009, University of Waterloo; MASc, 2012, University of Waterloo; Ph.D., 2016, University of Toronto

**Kate Kurtin (2013) Assistant Professor of Communication Studies**

B.A., 2006, Occidental College; M.S., 2008, Boston University; Ph.D., 2013, University of Connecticut

**Wing Shun Kwan (2016) Assistant Professor of Civil Engineering**

B.S., 2007, M.S., 2009, University of California, Berkeley; Ph.D., 2015, The University of Texas at Austin; Registered Professional Civil Engineer, 2011, California

**Kwok Keung (Kern) Kwong (1986) Professor of Management**

B.S., 1980, Chinese University of Hong Kong; M.B.A., 1985, Ph.D., 1986, Georgia State University

**L**

**Stephen E. G. LaDochy (1987) Professor of Geography**

B.A., 1967, University of California, Los Angeles; M.S., 1969, Colorado State University; Ph.D., 1985, University of Manitoba, Canada

**Kon S. Lai (1987) Professor of Economics and Statistics**

B.S.S., 1980, University of Hong Kong; M.S., 1981, London School of Economics; Ph.D., 1987, University of Pennsylvania

**Samuel E. Landsberger (2001) Professor of Mechanical Engineering and Kinesiology**

B.S., 1980, University of North Carolina, Chapel Hill; S.M., 1984, 1988, Sc.D., 1988, Massachusetts Institute of Technology

**Atef Laouyene (2009) Associate Professor of English**

B.A., 1997, University of Letters, Sousse, Tunisia; M.A., 2001, Laval University, Quebec; Ph.D., 2008, University of Ottawa

**Theresa Larkin (1990) Professor of Theatre Arts**

B.A., 1977, Loyola-Marymount University; M.F.A., 1983, University of California, Irvine

**Anne A. Larson (2000) Associate Professor of Kinesiology**

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**Tom E. Larson (1987) Professor of Economics and Statistics**

B.A., 1979, University of California, Santa Cruz; Ph.D., 1986, University of California, Berkeley

**Richard Tinwah Lau (1989) Associate Professor of Accounting**

B.S., 1984, University of Southwestern Louisiana; M.S., 1986, Ph.D., 1989, University of Louisiana at Lafayette

**Rita Ledesma (1995)**      **Associate Dean, College of Health and Human Services and Professor of Child and Family Studies**

B.A., 1979; M.S.W., 1981, Ph.D., 1997, University of California, Los Angeles

**Albert H. Lee (2009)**      **Assistant Professor of Physics**

B.S. 1995, University of California, Los Angeles; Ph.D, 2009, Ohio State University

**Benjamin L. Lee (1997)**      **Professor of Technology**

B.S., 1980, Chinese Culture University; M.S., 1981, Central Missouri State University; Ph.D., 1992, University of Northern Iowa

**Dong-Woo Lee (1995)**      **Professor of Accounting**

B.B.A., 1979, Seoul National University, Korea; M.B.A., 1987, Yonsei University, Korea; Ph.D., 1995, University of Michigan

**Feng Ping S. Lee (2013)**      **Assistant Professor of Nursing**

B.S.N., 1992, University of Dubuque, M.S.N., 1994, University of Pennsylvania, Ph.D. ,2005, University of Washington

**Freddy S. Lee (2006)**      **Associate Professor of Marketing**

B.S.E.E., 1995, University of Texas at Austin; Ph.D., 2004, University of British Columbia

**Hae Kyung Lee (1993)**      **Professor of Dance**

B.A., 1976, EWha University, Seoul, Korea; M.A., 1982, University of California, Los Angeles

**Kittiya Lee (2008)**      **Associate Professor of History**

B.A., 1995, University of Texas Austin; M.A., 1999, Johns Hopkins University; Ph.D., 2006, The Johns Hopkins University

**Namhee Lee (2009)**      **Associate Professor of Korean**

B.A., 1984, Korea University; M.A., 1995, New York University; Ph.D., 2003, University of California, Los Angeles

**Brianna Lemmons (2016)**      **Assistant Professor of Social Work**

B.A., 2004, Spelman College; M.S.W., 2006, Howard University; Ph.D., 2015, Howard University.

**Ross Levinson (2007)**      **Associate Professor of Music**

B.A., 1977, Binghamton University; M.M., 2007, California State University, Los Angeles

**Cheng Li (1988)**      **Associate Professor of Management**

B.Engr., 1982, Shanghai Institute of Mechanical Engineering; M.B.A., 1986, Ph.D., 1989, Indiana University

**Ni Li (2016)**      **Assistant Professor of Mechanical Engineering**

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**Timothy C. Lim (1997)**      **Professor of Political Science**

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**Pei-Shiuan Lin (2013)**      **Assistant Professor of Marketing**

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**Rina Ling (1976)**      **Professor of Mathematics**

B.S., 1970, M.S., 1972, Ph.D., 1976, University of Illinois

**Charles Liu (1999)**      **Professor of Electrical and Computer Engineering**

B.S., 1991, National Taiwan University, Taiwan; M.S., 1994, Ph.D., 1998, University of Southern California.

**Daphne Liu (1991)**      **Professor of Mathematics**

B.S., National Central University, Taiwan; Ph.D., University of South Carolina

**Jun Liu (1992)**      **Professor of English**

B.A., 1975, Xi'an Foreign Languages University, People's Republic of China; Postgraduate Certificate in Translation (M.A., equivalent), 1981, United Nations Postgraduate Translation Program, Beijing Foreign Languages Institute, People's Republic of China; M.A., 1987, Ph.D., 1992, University of Massachusetts

**Paul Cheng-Hsin Liu (2000) Professor of Technology**

B.S., 1980, Tunghai University in Taiwan; M.S., 1984, University of Oklahoma; Ph.D., 1990, Auburn University

**Yafen Lo (2003) Associate Professor of Child and Family Studies**

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B.A., 1980, B.A., 1980, Ed.M., 1984, Ed.M., 1984, Ed.D., 1986, University at Buffalo, The State University of New York; M.P.H., 1996, Loma Linda University

**Jean Loo (1985) Professor of Finance and Law**

B.A., 1976, National Taiwan University, Taiwan; M.A., 1978, University of Cincinnati; Ph.D., 1984, Ohio State University

**Edward Lopez (2005) Assistant Professor of Child and Family Studies**

B.A., 1990, California State University Northridge; M.A., 1994, Ph.D., 1999, University of California, Santa Cruz

**Sonya R. Lopez (2014) Assistant Professor of Civil Engineering**

B.S., 2006, M.S., 2007, Ph.D., 2012, University of California, Los Angeles

**Carol F. Lung-Bazile (2009) Associate Professor of Fashion Design**

B.S., 1988, North Dakota State University; BFA, 2005, School of the Art Institute of Chicago, Chicago, IL; MFA, 2007, School of the Art Institute of Chicago, Chicago, IL

## M

**Stephen K. Ma (1990) Professor of Political Science**

B.A., 1966, Shanghai Institute of Foreign Languages; M.A., 1985, Ph.D., 1994, University of Alberta, Canada

**Kelly Madison (1994) Professor of Broadcasting**

B.A., 1988, University of California, Los Angeles; M.A., 1991, Ph.D., 1996, University of Southern California

**Victor A. Manalo (2002) Associate Professor of Social Work**

B.A., 1985, Marquette University; M.S.W, 1993, California State University, Long Beach; Ph.D., 2001, University of Southern California

**Sunil Mangalassary (2009) Assistant Professor of Nutritional Science**

Doctor of Veterinary Medicine, 1990, Kerala Agricultural University, India, MS, 1993, Kerala Agricultural University, India, Ph.D., 2006, Clemson University, South Carolina

**Alejandra Marchevsky (1999) Professor of Liberal Studies**

B.A., 1992, University of California at Berkeley; M.A., 1995, Ph.D., 2004, University of Michigan, Ann Arbor

**Paola Marin (2006) Professor of Spanish**

B.A., 1994, Universidad Javeriana, Colombia; M.A., 1996, Arizona State University; Ph.D., 2002, University of Minnesota, Twin Cities

**Robert Martin (2005) Professor of Art**

B.S., 1978, Florida A&M University; M.F.A., 1981, University of Wisconsin

**Afshin Matin-asgari (2001) Professor of History**

B.A., 1979, M.A., 1980, California State University, Los Angeles; Ph.D., 1993, University of California, Los Angeles

**Sachiko Matsunaga (1995) Chair of Modern Languages and Literatures and Professor of Japanese**  
B.A., 1986, University of Oregon; M.A., 1989, Ph.D., 1994, University of Hawaii at Manoa

**Brigitte Matthies (2003) Associate Professor of Psychology**  
Psychology B.A., 1983, Queens University, Canada; Ph.D., 1993, McGill University, Canada

**Mehran Mazari (2016) Assistant Professor of Civil Engineering**  
B.S., 2003, M.S., 2006, Ferdowsi University of Mashad; Ph.D., 2014, The University of Texas at El Paso

**Jennifer McCormick (2008) Assistant Professor of Education**  
B.A., 1981, Hamilton College; M.A., 1986, Teachers College, Columbia University; Ph.D., 1998, New York University

**Alison McCurdy (2002) Professor of Chemistry**  
B.S., 1988, University of Chicago; Ph.D., 1995, California Institute of Technology

**Mary Pat McEnrue (1981) Professor of Management**  
B.A., 1975, Boston College; M.A., 1979, Ph.D., 1980, Wayne State University

**Stephen J. McGuire (2003) Professor of Management**  
B.A., 1982, Providence College; M.B.A., 1984, IESE University- Navarro (Spain); Ph.D., 2003, The George Washington University

**Jane McKeever (2009) Associate Professor of Broadcasting**  
B.A., 2003, University of Illinois at Chicago, Chicago, IL; MFA, 2007, University of California, Los Angeles

**Michael Locke McLendon (2003) Associate Professor of Political Science**  
B.A., 1992, University of Wisconsin; M.A., 1993, Columbia University; Ph.D., 2001, University of Texas at Austin

**Caroline H. McManus (1993) Professor of English**  
B.A., 1982, Occidental College; M.A., 1986, University of Exeter, England; Ph.D., 1992, University of California, Los Angeles

**Nancy L. McQueen (1989) Associate Dean, College of Natural and Social Sciences and Professor of Biological Sciences**  
B.S., 1975, California State Polytechnic College, Pomona; Ph.D., 1986, University of California, Los Angeles

**Henry R. Mendell (1983) Professor of Philosophy**  
A.B., 1971, Cornell University; M.A., 1974, Cambridge University, England; Ph.D., 1986, Stanford University

**Gustavo B. Menezes (2007) Assistant Professor of Civil Engineering**  
B.S., 2000, Federal University of Minas Gerais, M.S., 2004, Ph.D., 2007, University of North Carolina, Charlotte

**Holly Menzies (2002) Associate Professor of Education**  
B.A., 1987, California State University, Los Angeles, M.A., 1999, University of California, Riverside

**Pauline Mercado (1983) Professor of Education**  
B.A., 1974, M.A., 1976, San Diego State University; Ph.D., 1983, University of California, Santa Barbara

**Andrew Keith Mew (1997) Chair and Professor of Technology**  
B.A., 1974, West London Polytechnic, England; M.A., 1997, Lanchester Polytechnic, England; Ph.D., 1983, Warsaw University, Poland

**Sylke Rene Meyer (2017) Professor of Creative Media**  
M.A., 1991, Law (Staatsexamen, bar examination), Freie Universität Berlin

**Darlene M. Michener (1985) Professor of Education**  
B.S.Ed., 1979, Northern Illinois University; M.A., 1982, Ph.D., 1985, University of South Florida

- Milan B. Mijic (1991)**      **Associate Professor of Physics**  
Diploma in Physics, 1979, Belgrade University, Yugoslavia; M.S., 1982, Ph.D., 1983, California Institute of Technology
- Elizabeth Miller (1997)**      **Professor of Anthropology**  
B.S., 1985, M.A., 1989, Texas A&M University; Ph.D., 1995, Arizona State University
- Joan Sabrina Mims (1987)**      **Professor of Education**  
B.A., 1977, University of Southern California; M.A., 1980, San Diego State University; Ph.D., 1988, Claremont Graduate School/San Diego State University
- Madhu S. Mohanty (1990)**      **Professor of Economics and Statistics**  
B.A., 1977, M.A., 1979, M.Phil., 1983, Utkal University, India; Ph.D., 1990, University of Wisconsin-Milwaukee
- Jamil A. Momand (1999)**      **Professor of Biochemistry**  
B.S., 1983, Ph.D. 1989, University of California, Los Angeles
- Marina Mondin (2016)**      Associate Professor of Electrical and Computer Engineering  
M.S., 1986, Polytechnic University of Turin (Italy), Ph.D., 1990, Polytechnic University of Turin (Italy)
- Edward L. Monsour (2002)**      **Associate Professor of Accounting**  
B.B.A., 1978 M.B.A., 1983, Cleveland State University, J.D., 1982, Cleveland-Marshall College of Law
- Simona Montanari (2007)**      **Assistant Professor of Child and Family Studies**  
B.A., 1999, Universita degli Studi de Bologna; M.A., 2003, Ph.D., University of Southern California
- Jessica Morales-Chicas (2016)**      **Assistant Professor of Child and Family Studies**  
B.A., 2009, M.A., 2012, Ph.D., 2016, University of California, Los Angeles
- Emily Moss (2011)**      **Chair and Associate Professor of Music**  
B.A., B.Mus, 1997, University of Washington, Seattle; M.M., 2005, DMA, 2007, University of Northern Colorado
- Jimmy Moss (2005)**      **Professor of Art**  
B.F.A., 1988, Rhode Island School of Design; M.F.A., 1991, Yale School of Art
- Margaret Moustafa (1997)**      **Professor of Education**  
B.S., 1963, University of Illinois; M.A., 1969, American University in Cairo; Ph.D., 1990, University of Southern California
- Stephen Mulherin (2000)**      **Associate Professor of Geography and Urban Analysis**  
B.A., 1985, State University of New York at Buffalo; M.A., 1995, University of Maryland; Ph.D., 1999, Ohio State University
- Ashley Munger (2015)**      **Assistant Professor of Child and Family Studies**  
B.A., 2009, Grove City College; M.S., 2011, University of Maryland; Ph.D., 2015, University of Maryland
- Bridget Murnane (2005)**      **Professor of Broadcasting**  
B.A., 1975, Merrimack College; M.Ed., 1977, Lesley College; M.A., 1985, University of California, Los Angeles; M.F.A., 1990, University of California, Los Angeles
- N**
- Paul Jean Narguizian (2002)**      **Professor of Biological Sciences**  
B.A., 1994, M.S., 1998 California State University, Northridge; Ed.D., 2002, University of Southern California
- Karen Nielsen-Menicucci (2004)**      **Assistant Professor of Nursing**  
B.S., 1978, Loma Linda University; M.S., 1984 Loma Linda University; Ph.D., 2004, University of San Diego
- Stephanie Jean Nelson (2000)**      **Professor of Technology**

B.F.A., 1974, California Institute of the Arts; M.A., 1988, Ph.D., 1994, University of Southern California

**Cheryl Ney (2009)**

**Dean of Charter College of Education**

B.S. 1977, Arizona State University, M.S. 1980, Baylor University, Ph.D. 1986, University of Chicago

**ChorSwang Ngim (1993)**

**Professor of Anthropology**

B.A., 1972, Wellesley College; M.A., 1975, Ph.D., 1985, University of California, Davis

**Scott L. Nickolaisen (1994)**

**Professor of Chemistry**

B.S., 1985, M.S., 1986, Utah State University; Ph.D., 1991, University of Southern California

**Robert M. Nissen (2005)**

**Acting Chair and Professor of Biological Sciences**

B.A., 1993, University of California, Berkeley; Ph.D., 2000, University of California, San Francisco

**O**

**Nina O'Brien (2013)**

**Assistant Professor of Management and Communication Studies**

B.A. (2001) Syracuse University; M.A. (2003) New York University; Ph.D. (2013) University of Southern California

**Jean O'Neil (2015)**

**Assistant Professor of Nursing**

B.S.N, 1978, University of Hawaii; M.N. 1983, UCLA; Post-Master's Certificate, 1994, UCLA; D.N.P, 2014, California State University Consortium

**Enrique C. Ochoa (1995)**

**Professor of History and Latin American Studies**

B.A., 1986, M.A., 1987, Ph.D., 1993, University of California, Los Angeles

**Seónagh Odhiambo (2009)**

**Associate Professor of Dance**

B.A., 1995, M.A., 2000, University of British Columbia; Ph.D., 2009, Temple University

**Deborah M. Oh (2001)**

**Associate Professor of Education**

B.A., 1987, California State University, Los Angeles; M. Divinity 1990, Fuller Theological Seminary; M. Ed., 1994, M. Phil., 1995, Ph.D., 1998, Columbia University, New York

**David Olsen (1993)**

**Chair and Professor of Communication Studies**

B.A., 1984, Cedarville College; M.A., 1987, University of Virginia; Ph.D., 1993, Northwestern University

**Teresa Portilla Omidisalar (1997)**

**Librarian**

B.A., 1977, California State University, Los Angeles; M.L.S., 1979, University of California, Los Angeles

**John Orta (1990)**

**Professor of Nutritional Science**

B.S., 1973, M.S., M.S. Ed., 1975, Florida International University; M.Ed., 1980, M.A., 1983, Ed.D., 1987, Columbia University

**Joseph C. Otto (1986)**

**Professor of Information Systems**

B.S., 1978, Iowa State University; M.S., 1982, Eastern Illinois University; Ed.D., 1987, Memphis State University

**James Ovelman (2007)**

**Professor of Art**

B.F.A., 1993, Illinois State University; M.F.A., 1997, California Institute of the Arts

**P**

**Raj S. Pamula (1987)**

**Chair and Professor of Computer Science**

B.Tech., 1980, Jawaharlal Nehru Technological University, India; M.Tech., 1982, Indian Institute of Technology, India; Ph.D., 1987, Southern Illinois University

**Arturo Pacheco-Vega (2008) Assistant Professor of Mechanical Engineering**

B.S. 1994, Universidad Iberoamericana, M.E. 1996, Universidad de Guanajuato, M.S. , 2000, University of Notre Dame, Ph.D., 2002, University of Notre Dame

**George A. Pardon (2007)**

**Interim Vice President for Administration**



B.S., Ewha Womans University; M.S., Ewha Womans University; Ph.D., Ewha Womans University

**Hyunsook Park (2008)      Assistant Professor of Biological Sciences**

B.S., 1996, Ewha Womans University; M.S., 1998, Ewha Womans University; Ph.D., 2002 Ewha Womans University

**SungHo Park (2006)      Assistant Professor of Education**

B.A., 1996, Kyemyung University, Korea; M.A. 2001, Ph.D. 2004, University of California, Santa Barbara

**Parviz Partow-Navid (1983)      Professor of .Information Systems**

B.B.A., 1973, Tehran Business College, Iran; M.B.A., 1976, Ph.D., 1981, University of Texas, Austin

**Behzad Parviz (1986)      Professor of Computer Science**

B.S., 1974, College of Accounting, Tehran, Iran; M.S., 1976, Marywood College; M.S., 1979, Ph.D., 1986, State University of New York at Binghamton

**Heidi Paul (2002)      Associate Professor of Education**

B.A., 1979, California State University, Los Angeles, B.S., 1985, Los Angeles College of Chiropractic, M.S., 1996, California State University, Los Angeles

**Arman Pazouki (2016)      Assistant Professor of Mechanical Engineering**

BS, 2005, University of Tehran; MS, 2008, Sharif University of Technology; MS, 2013, University of Wisconsin-Madison; Ph.D., 2014, University of Wisconsin-Madison

**R. Duncan M. Pelly (2015)      Assistant Professor of Management**

B.A., 2006, University of Pennsylvania; Ph.D., 2015, EM Lyon Business School, France

**Jose Perez-Carballo (2004)      Associate Professor of Information Systems**

B.Sci, 1982, Nacional Autonoma de Mexico; M.S., 1984; New York University, Ph.D., 1991, New York University

**Elizabeth Perluss (2001)      Associate Professor of Education**

B.A. 1984, Westmont College; M.S. 1991, California State University, Los Angeles

**Kathryn Perry (2016)      Assistant Professor of English**

B.A., 2005, Washington University; M.A., 2011, Ph.D., 2016, University of Louisville

**Kimberly Persiani-Becker      Associate Professor of Education  
(2003)**

B.A., 1996; M.A., 2000, California State University, Long Beach; Ed.D., 2003, University of San Francisco

**David Peterson (2006)      Associate Professor of Education**

B.A., 1991, M.A. 1993, Northern Illinois University; Ph.D., 1996, University of Wisconsin

**Gretchen Peterson (2000)      Chair and Professor of Sociology**

B.A., 1995, Bates College; M.A., 1997, Ph.D., 2000, University of Arizona

**Joseph L. Peterson (2006)      Director, School of Criminal Justice and Criminalistics and Professor of Criminal  
Justice and Criminalistics**

B.A., 1967, Carthage College; D.Crim. 1971, University of California, Berkeley

**Miles E. Peterson (1987)      Professor of Communication Disorders**

B.S., 1980, M.A., 1982, Utah State University; Ph.D., 1987, University of Washington

**Birte Pflieger (2004)      Associate Professor of History**

B.A., 1993, California State University, Dominguez Hills, M.A., 1995, California State University, Long Beach, Ph.D., 2003, University of California, Irvine

**Trinh K. Pham (2006)      Assistant Professor of Mechanical Engineering**

B.S., 2001, M.S., 2003, Ph.D., 2007, University of California, Irvine

**David Pitt (2003)**

**Professor of Philosophy**

B.A., 1981, Haverford College; M.A., 1985, Queens College, City University of New York; Ph.D., 1994, Graduate Center, City University of New York

**Edith Porter (2001)**

**Professor of Biological Sciences**

M.D., 1989, University of Mainz, Germany; Thesis, 1990, University of Mainz, Germany

**Mohammad Pourhomayoun (2016)**  
**Professor of Computer Science**

BS, 2002, Isfahan University of Technology; MS, 2005, Isfahan University of Technology; PhD, 2013, State University of New York at Binghamton; Post-Doctoral, 2015, University of California Los Angeles (UCLA).

**Veena P. Prabhu (2007)**

**Assistant Professor of Management**

B.Sc., 1996, L.L.B., 1998, University of Mumbai, India; M.B.A, 2001, Amravati University, India; M.S. (HRMN), 2006, Ph.D., 2007, Auburn University

**Sara Pugach (2007)**

**Associate Professor of History**

B.A., 1991, University of Pennsylvania; M.A., 1994, Washington University of St. Louis; Ph.D., 2001, University of Chicago

**Nikolai Pulchritudoff (1972)** **Associate Professor of Economics and Statistics**

B.A., 1964, Sacramento State College; M.S., 1965, Ph.D., 1971, University of California, Davis

**Rupa P. Purasinghe (1988)** **Chair and Professor of Civil Engineering**

B.S., 1978, University of Sri Lanka; M.S., 1981, Portland State University; Ph.D., 1985, Case Western Reserve University; Registered Professional Civil Engineer, 1994, California

## Q

**Hong-lie Qiu (1996)**

**Professor of Geography**

B.S., 1982, Fujian Teacher's University, People's Republic of China; Ph.D., 1994, Louisiana State University

## R

**Verica Radisavjevic-Gajic (2009)**

**Assistant Professor of Mechanical Engineering**

B.S. university of Belgrade, Yugoslavia, M.S. , Ph.D., 2001, Rutgers University

**Lauri Ramey (2004)**

**Professor of English**

B.A., 1974, Oberlin College, M.A., 1975, University of Chicago, Ph.D., 1996, University of Chicago

**John J. Ramírez (1989)**

**Chair of Television, Film and Media Studies and Professor of Broadcasting**

B.A., 1977, M.A., 1980, Ph.D., 1991, University of California, Los Angeles

**Pedro C. Ramírez (1991)**

**Professor of Geological Sciences**

B.A., 1977, Ph.D., 1990, University of California, Santa Cruz

**Debasree Raychaudhuri (2002)**

**Associate Professor of Mathematics**

B.S., 1985, St. Xavier's College, India; M.S., 1990, Indian Institute of Technology, India; M.S. 1995, Ph.D. 2001, Simon Fraser University, Canada

**Adam Reed (2000)**

**Professor of Information Systems**

B.S., 1967, M.S., 1970, Massachusetts Institute of Technology; Ph.D., 1984, University of Oregon

**James F. Refalo (2003)**

**Professor of Finance and Law**

B.S., 1983, University of California, Irvine; M.B.A., 1992, Cornell University; Ph.D., 2000, Lenard M. Stern Graduate School of Business

**Pamela C. Regan (1996)**

**Professor of Psychology**

B.A., 1988, Williams College; M.A., Ph.D., 1994, University of Minnesota

**Suzanne E. Regan (1979) Professor of Broadcasting**

B.A., 1971, Simmons College; M.A., 1974, University of California, Los Angeles; Ph.D., 1981, University of Massachusetts

**Edward H. Rezayi (1983) Professor of Physics**

B.S., 1972, Worcester Polytechnic Institute; Ph.D., 1979, Stanford University

**Siyon Y. Rhee (1993) Professor of Social Work**

B.A., 1974, Seoul National University, Korea; M.S.W., 1981, D.S.W., 1988, University of California, Los Angeles

**Leila Ricci (2009) Assistant Professor of Education**

B.A., 1994, UCLA; M.A., 1997, California State University, Northridge; Ph.D., 2004, University of California, Los Angeles

**Heidi Rose Riggio (2007) Associate Professor of Psychology**

B.A., 1993, California State University Fullerton; M.A., 1996, California State University Fullerton; Ph.D., 2001, Claremont Graduate University

**Katherine A. Roberts (1998) Professor of Criminal Justice and Criminalistics**

B.Sc., 1987, King's College, University of London, England; M.Sc., 1989, University of Strathclyde, Scotland; M.Phil., 1998, Ph.D., 2002, City University of New York

**Kimberly Robertson (2017) Assistant Professor of Liberal Studies**

B.A., 1999, University of Northern Colorado; M.A., 2001, University of Michigan; M.A., 2008, Ph.D., 2012, University of California, Los Angeles

**José P. Rodriguez (1992) Professor of Physics and Astronomy**

B.S., 1982, Massachusetts Institute of Technology; Ph.D., 1987, University of Illinois at Urbana-Champaign

**Tona Rodriguez-Nikl Associate Professor of Civil Engineering**

B.S., 1997, M.S., 1998, University of California, Berkeley, Ph.D., 2006, University of California, San Diego, Registered Professional Civil Engineer, California.

**Stephen Rothman (2001) Professor of Theatre Arts**

B.S., 1972, M.F.A., 1974, Florida State University

**Bidhan C. Roy (2009) Associate Professor of English**

BS, 1993, Roehampton College, University of Surrey; M.A., 2004, California State University, Los Angeles

**James Rudd (2003) Associate Professor of Chemistry**

B.S., 1992, Harvey Mudd College; M.S., 1999, Ph.D., 2001, Iowa State University

**Kristina Ruiz-Mesa (2014) Assistant Professor of Communication Studies**

B.A., 2005, M.A., 2007, Villanova University; Ph.D., 2016, University of Colorado at Boulder

**Amelia A. Russo-Neustadt (1999) Professor of Biological Sciences**

B.S., 1983, Chapman University; Ph.D., 1988, M.D., 1990, University of California, Irvine

**Elena Retzer (2003) Professor of Spanish**

B.A., 1992, Comenius University, Bratislava, Slovakia, M.A., 1994, Ph.D., 1998, University of Pittsburgh

**Kenneth Ryan (1988) Librarian**

B.A., 1963, M.A., 1967, University of Texas at Austin; M.L.S., 1978, North Texas State University

## S

**Romelia Salinas (1999) Librarian**

B.A., 1992, University of California, Santa Barbara; M.L.I.S., 1994, University of California, Los Angeles

**Tina Salmassi (2002)** **Professor of Biological Sciences**  
B.S., 1996, University of California, Los Angeles; M.S., 1998, Ph.D. 2001, California Institute of Technology

**Bill Sanders (2008)** **Associate Professor of Criminal Justice and Criminalistics**  
B.A. 1994, University of California at Riverside; M.Phil., 1995, University of Cambridge; Ph.D., 2004, University of London

**David Sandoval (1979)** **Director, Educational Opportunity Program**  
B.A., 1975, M.A., 1987, California State University, Los Angeles

**Sunil K. Sapra (1991)** **Professor of Economics and Statistics**  
B.S., 1973, University of Delhi, India; M.A., 1976, Delhi School of Economics, India; M. Phil., 1981, Ph.D., 1983, Columbia University

**Deborah Schaeffer (1988)** **Librarian**  
B.A., 1977, California State College, Long Beach; M.L.S., 1979, University of California, Los Angeles

**Henry Schlinger (2006)** **Associate Professor of Psychology**  
B.S., Southern Methodist University; M.A., Southern Methodist University; Ph.D., 1985, Western Michigan University Psychology

**Rennie B. Schoepflin (2004)** **Interim Dean, College of Arts and Letters and Professor of History**  
B.S., 1974, Walla Walla College; M.A., 1980, Loma Linda University; Ph.D., 1995, University of Wisconsin, Madison

**Mary Anne Schultz (2008)** **Assistant Professor of Nursing**  
B.S.N., 1979, University of Cincinnati; M.S.N., 1984, Case Western Reserve University; M.B.A., 1992, Claremont Graduate School; Ph.D., 1998, University of California, Los Angeles

**Matthias Selke (1998)** **Professor of Chemistry**  
B.S., 1990, University of Southern California; Ph.D., 1994, University of California, Los Angeles

**Daniel B. Shabani (2008)** **Assistant Professor of Psychology**  
B.A., 1997, University of California Los Angeles; M.A., 2001, University of the Pacific; Ph.D., 2005, Western Michigan University

**Ray O. Shackelford (1995)** **Professor of Technology**  
B.A., 1972; M.A., 1974, California State University, Los Angeles

**Anthony Shaheen (2005)** **Associate Professor of Mathematics**  
B.S., 2000, Loyola Marymount; M.A., 2001, Ph.D. , 2005, University of California, San Diego

**Masood Shahverdi (2015)** **Assistant Professor of Electrical and Computer Engineering**  
B.Sc., 2005, K.N.Toosi University of Technology; M.Sc., 2007, K.N.Toosi University of Technology; Ph.D., 2015, Mississippi State University

**Adel A. Sharif (2002)** **Associate Professor of Mechanical .Engineering**  
B.S., 1992, California State University, Los Angeles, Ph.D., 1998, University of California, Irvine

**Behjat A. Sharif (1991)** **Professor of Health Science**  
B.A., 1973, Teachers' Training University, Iran; M.S., 1982, Southern Illinois University; Ph.D., 1989, Texas Women's University; Certified Mediator

**Patrick B. Sharp (2002)** **Chair and Professor of Liberal Studies**  
B.A., 89, M.A., 1994, Ph.D., 1999, University of California, Santa Barbara

**Munyi Shea (2009)** **Associate Professor of Psychology**  
B.A., B.S., 2001, University of Washington; Ph.D., 2008, Columbia University

**Christina Sheldon (2008)** **Sr. Assistant Librarian**  
B.A., 1992, Stanford University; M.A.T., 2002, Occidental College; M.L.I.S., 2006, University of California, Los Angeles

**Min Shi (2008)** **Assistant Professor of Management**  
B.A., 1997, Zhejiang University; MCBL, 2000, East China University of Politics & Law; Ph.D., 2007, Rutgers Business School

**Ellen Shiau (2012)** **Assistant Professor of Political Science**  
B.S.J., 2001, Northwestern University, M.P.P., 2006, University of Southern California, Ph.D., 2012, University of Southern California

**Michael Shim (2007)** **Associate Professor of Philosophy**  
B.A., 1995, Vassar College; M.A., 2001, Ph.D., 2003, Stony Brook University

**John V. Shindler (2001)** **Professor of Education**  
B.A., 1985, M.Ed., 1990, Seattle University; Ph.D. 1996, Washington State University

**Andrew D. Shroyer (1997)** **Librarian**  
B.A., 1980, University of Oklahoma; M.L.S., 1983, University of Texas at Austin

**Michael J. Siler (1993)** **Professor of Political Science**  
B.S., M.S., 1977, University of California, Los Angeles; M.P.A., 1979, University of Washington; Ph.D., 1992, University of Southern California

**Gabriela Simon-Cerejido (2009)** **Assistant Professor of Communication Disorders**  
BS, 1998, Columbia University, MS, 2000, Columbia University, New York.

**Harmit Singh (2004)** **Associate Professor of Nutritional Science**  
B.S., 1986, M.S., 1987, M.Phil., 1988, Ph.D., 1993, Guru Nanak Dev University, India

**Frances Siu (2009)** **Assistant Professor of Education**  
B.A., 2003, CSULA; M.S., 2005, CSULA; Ph.D., 2008, University of Texas at Austin

**Ludwig Slusky (1985)** **Professor of Information Systems**  
M.S., 1961, Institute of Mechanical Engineering (Bauman), U.S.S.R.; Ph.D., 1968, Academy of Municipal Economy, U.S.S.R.

**Jon Snodgrass (1972)** **Professor of Sociology**  
B.A., 1965, M.A., 1967, University of Maryland; Ph.D., 1972, University of Pennsylvania; Ph.D., 1983, Reiss-Davis Child Study Center

**Marguerite Ann Snow (1988)** **Professor of Education**  
B.A., 1977, M.A., 1979, Ph.D., 1985, University of California, Los Angeles

**Michael Soldatenko (2005)** **Professor of Chicano Studies**  
B.A., 1975, M.A., 1980, Ph.D., 1987, University of California, Los Angeles

**Alejandro Solomianski (2002)** **Professor of Spanish**  
M.A., 1998, Ph.D., 2001, University of Pittsburgh

**Ira Sommers (1996)** **Professor of Criminal Justice and Criminalistics**  
B.A., 1974, State University of New York; M.S., 1976, Boston University; D.S.W., 1983, University of Pennsylvania

**Ji Y. Son (2009)** **Assistant Professor of Psychology**  
B.S., 2002, UCLA; Ph.D., 2007, Indiana University

**Yongyi Song (2004)** **Associate Librarian**  
B.A., 1985, Shanghai Institute of Education, China; M.A., 1992 University of Colorado, M.L.S., 1995, Indiana University

**Aaron Sonnenschein (2007)** **Associate Professor of English**

B.A., 1993, University of California, Berkeley; M.A., 1997, Ph.D., 2004, University of Southern California

**Carole Srole (1984) Professor of History**

B.A., 1970, M.A., 1973, Ph.D., 1984, University of California, Los Angeles

**Beverly Stein (1999) Professor of Music**

B.A., 1981, The Juilliard School; M.A., 1988, Ph.D., 1994, Brandeis University

**Douglas M. Stenstrom (2008) Assistant Professor of Psychology**

B.A., 1995, USC; J.D., 1999, Loyola Marymount University; M.A., 2004, USC; Ph.D., 2008, USC

**Shirley M. Stretch-Stephenson (1987) Professor of Marketing**

B.S., 1971, University of Nebraska-Lincoln; M.S., 1972, Kansas State University; M.B.A., 1977, Ph.D., 1982, Ohio State University

**Kaveri Subrahmanyam (1996) Professor of Psychology**

B.A., 1984, University of Madras, India; M.A., 1986, University of Mysore, India; M.A., 1989, Ph.D., 1993, University of California, Los Angeles

**Kate Sullivan (2005) Assistant Professor of Anthropology**

B.A., Anthropology, Colorado State University, Fort Collins; M.A., Anthropology, University of Texas, Austin; Ph.D., Anthropology University of California, Santa Barbara, 2004

**Chengyu Sun (2004) Associate Professor of Computer Science**

B.E., 1996, Tsinghua University; Ph.D., 2004, University of California, Santa Barbara

**Hershel Swinger (1980) Professor of Education**

B.A., 1966, M.S., 1968, California State College, Los Angeles; Ph.D., 1978, University of Southern California

**Jennifer Symon (2002) Associate Professor of Education**

B.A. 1992, M.A. 1995, 2000, Ph.D., 2002, University of California, Santa Barbara

**T**

**Lili Tabrizi (1987) Professor of Electrical and Computer Engineering**

B.S., 1978, Sharif University of Technology, Iran; M.S., 1981, Ph.D., 1984, Michigan State University

**Ayman Tailakh (2011) Assistant Professor of Nursing**

B.S.N, 1999, University of Jordan; M.S.N., 2007, California State University-Los Angeles; Ph.D., 2011, University of California-Los Angeles

**Valerie Talavera-Bustillos (2003) Associate Professor of Chicano Studies**

B.A., 1992, University of California, Irvine; Ph.D., 1998, University of California, Los Angeles

**Molly Talcott (2009) Associate Professor of Sociology**

B.A., 1998, Rollins College; Ph.D., 2008, University of California, Santa Barbara

**Chick F. Tam (1982) Professor of Nutritional Science**

B.S., 1967, Chinese University of Hong Kong; M.S., 1971, Dr.P.H., 1974, University of California, Los Angeles

**Alison Taufer (1990) Professor of English**

B.A., 1980, Loyola-Marymount University; M.A., 1984, Ph.D., 1988, University of California, Los Angeles

**Carlos Tejeda (1998) Associate Professor of Education**

B.A., 1987, University of California, Santa Cruz; M.A., 1994, California State University, Los Angeles, Ph.D., 2000, University of California, Los Angeles

**Katharine Tellis (2009) Assistant Professor of Criminal Justice and Criminalistics**

BA, 2003, University of California, Los Angeles, MSW, 2005, University of California, Los Angeles, Ph.D. 2008, University of Nebraska-Omaha.

**Susan Terebey (2001)** **Chair and Professor of Physics and Astronomy**  
B.A., 1977, University of California, Santa Cruz; Ph.D., 1984, University of California, Berkeley

**Wayne R. Tikkanen (1986)** **Professor of Chemistry**  
B.S., 1976, University of Rhode Island; M.A., 1980, Ph.D., 1982, University of California, Santa Barbara

**Elizabeth Torres (1998)** **Professor of Biological Sciences**  
B.S., 1989, Arizona State University; Ph.D., 1997, University of California, Los Angeles

**Chou-Yu Tsai (2015)** **Assistant Professor of Management**  
B.S., 2005, M.S., 2007, National Taiwan University, Taipei Taiwan; Ph.D., 2015, State University of New York at Binghamton.

**Mark R. Tufenkjian (1997)** **Professor of Civil Engineering**  
B.S., 1986, California State University, Fresno; M.S., 1989, Ph.D., 1993, University of California, Los Angeles; Registered Professional Civil Engineer, California

**Linda M. Tunstad (1992)** **Professor of Chemistry**  
B.S., 1983, California State University, Los Angeles; Ph.D., 1990, University of California, Los Angeles

## U

**Fawn Teresa Ukpolo (2001)** **Assistant Professor of Education**  
B.S., 1991, M.A., 1992, Austin Peay State University; Ed.D., 1998, Tennessee State University

**Sharon Hilda Ulanoff (2001)** **Professor of Education**  
B.A., 1974, State University of New York at Buffalo; M.A., 1982, California State University, Los Angeles; Ph.D., 1993, University of Southern California

**Connie Utterback (1991)** **Professor of Art**  
B.F.A., 1969, Washington University; M.F.A., 1981, University of California, Los Angeles

**Frederick Uy (1998)** **Professor of Education**  
B.A., 1986, University of Philippines, Quezon; M.A., 1990, Montclair State University; Ed.D., 1996, Teachers College, Columbia University

**Elizabeth Chisato Uyeki (2003)** **Library Reference Desk Coordinator**  
B.A., 1993, Earlham College, Richmond, VA., M.L.I.S., 2003, University of California, Los Angeles

## V

**René Vellanoweth (2007)** **Acting Chair and Associate Professor of Anthropology**  
B.A., 1989, UCLA; M.A., 1996, UCLA, Ph.D., 2001, University of Oregon

**Robert L. Vellanoweth (1994)** **Chair and Professor of Biochemistry**  
B.S., 1982, California State University, Los Angeles; Ph.D., 1988, University of California, Berkeley

**Angela Vergara-Marshall (2006)** **Professor of History**  
B.A., 1994, Pontificia Universidad Católica de Chile; M.A., 1999, University of California, San Diego; Ph.D., 2002, University of California, San Diego

**Kayley Vernallis (1993)** **Professor of Philosophy**  
A.B., 1982, Stanford University; Ph.D., 1993, University of California, Berkeley

**Robert Vianello (1984)** **Professor of Broadcasting**  
B.A., 1972, University of Michigan; M.A., 1982, Ph.D., 1988, University of California, Los Angeles

**Victor Viesca (2004)** **Associate Professor of Liberal Studies**  
B.A., 1995, University of California, San Diego; M.A. 2000, New York University

**Valentine Villa (2003)** **Chair of Gerontology and Professor of Social Work**  
B.A., 1983, University of Southern California; M.S. & M.A., 1985, University of Southern California; Ph.D., 1993, University of Southern California

**Ligiah Villalobos (2016)** **Assistant Professor of Broadcasting**  
B.A., 2013, M.F. A., 2016, Antioch University

## W

**Michele Wallace (2005)** **Associate Professor of Education**  
B.A. 1994, Florida International University; M.S. 1998, Ph.D. 2001, University of Florida

**Cynthia Wang (2016)** **Assistant Professor of Communication Studies**  
B.S., 2004, Northwestern University; M.A., 2010, New York University; Ph.D., 2016, University of Southern California

**Liming Wang (2011)** **Assistant Professor of Mathematics**  
B.S., 2001, Peking University, Beijing, China; Ph.D., 2008, Rutgers University

**Ming Wang (2002)** **Associate Professor of Information Systems**  
B.A., 1982, Northeast Normal University, China; M.A., 1988, Ph.D., 1993, Southern Illinois University; M.S., 1998, Nova Southeastern University, Florida

**Raquel Warley (2008)** **Assistant Professor of Social Work**  
B.A., 1993, John Jay College of Criminal Justice; M.A., 1995, John Jay College of Criminal Justice; MSW, 2000, Hunter College School of Social Work; M.Phil, 2006, City University of New York; Ph.D., 2009, City University of New York.

**Nancy Warter-Perez (1993)** **Professor of Electrical and Computer Engineering**  
B.S., 1985, Cornell University; M.S., 1989, Ph.D., 1993, University of Illinois, Urbana

**Gail Washington (2003)** **Associate Professor of Nursing**  
B.S., 1993, Drake University; M.S., 1997, Drake University; D.N.S., 2003, Louisiana State University Health Science Center

**Knox B. Wasley (1981)** **Associate Professor of Information Systems**  
B.S., 1972, M.B.A., 1976, University of Colorado

**Richard Wearn (2005)** **Professor of Art**  
B.F.A., 1993, University of Auckland, New Zealand; M.F.A., 1996, University of Southern California

**Lois Weinberg (2002)** **Professor of Education**  
B.A., 1969, M.A., 1973, Ph.D., 1978, University of California, Los Angeles

**Scott Wells (2003)** **Chair and Professor of History**  
B.A. 1992, Columbia University; M.A., 1995, Ph.D., 2002, New York University

**Min-Ming Wen (2008)** **Assistant Professor of Finance and Law**  
B.S., 1991, National Chung-Hsing University; M.S., 1993, National Chiao-Tung University, Ph.D., 2004, University of Connecticut

**Xin Wen (2006)** **Associate Professor of Chemistry**  
B.Sc., Honors 1998, M.Sc. 2000, Nanjing University, Ph.D. 2004, University of Rochester

**Laura L. Whitcomb (1989)** **Associate Professor of Management**  
A.B., 1978, M.A., 1985, M.B.A., 1986, Ph.D., 1991, Indiana University



- Ailish C. White (2016)**                      **Assistant Professor Exercise Physiology**  
B.S., 2008 California State University, San Marcos; M.S., 2010, San Diego State University; Ph.D., 2014, University of New Mexico, Albuquerque.
- Steve Wight (2007)**                      **Associate Professor of Music**  
B.M., 1981, California State University, Fullerton; M.F.A., 1982, California Institute of the Arts
- Henry Mark Wild (2001)**                      **Professor of History**  
B.A., 1992, Princeton University; M.A., 1997, Ph.D., 2000, University of California, San Diego
- Michael Willard (2005)**                      **Professor of Liberal Studies**  
B.A., 1988, University of California, Los Angeles; Ph.D., 2001, University of Minnesota
- A. Dee Williams (2007)**                      **Assistant Professor of Education**  
B.A., 1995, California Polytechnic University, San Luis Obispo; M.Ed., 2001, University of California, Los Angeles; Ph.D., 2007, University of Maryland
- Elaine Wittenberg (2017)**                      **Associate Professor of Communication Studies**  
B.A., 1995, California State University, Chico; M.A., 1998, California State University, Los Angeles; Ph.D., 2004, University of Oklahoma
- Elizabeth Winokur (2013)**                      **Assistant Professor of Nursing**  
BSN, 1983, Mercy College; MSN, 2003, California State University, Los Angeles; PhD, 2012, University of Arizona.
- Deborah S. Won (2009)**                      **Associate Professor of Electrical and Computer Engineering**  
B.S., 2000, Massachusetts Institute of Technology, Ph.D., 2007, Duke University
- Evaon C. Wong-Kim (2016)**                      **Director, School of Social Work**  
B.A., 1985, University of California, Berkeley; M.S.W., 1989, University of California, Berkeley; M.P.H., 1990, University of California, Berkeley; Ph.D., 1999, University of California, Berkeley
- Jongwook Woo (2003)**                      **Associate Professor of Information Systems**  
B.S., 1989, Yonsei University (Korea); M.S., 1991, Yonsei University (Korea); M.S., 1998, University of Southern California; Ph.D., 2001, University of Southern California
- Ann Wood (2002)**                      **Associate Professor of Education**  
B.A., 1968, M.A. 1970, Ph.D. 1982, Michigan State University
- Lifan Wu (1998)**                      **Professor of Finance and Law**  
M.A., 1986, Nankai University, People's Republic of China; Ph.D., 1994, University of Illinois
- Mu Wu (2016)**                      **Assistant Professor of Communication Studies**  
B.A., 2007, Northwest Normal University; M.A., 2010, Cleveland State University; Ph.D., 2016, Pennsylvania State University
- Qingyun Wu (1991)**                      **Professor of Chinese**  
B.A., 1975, Kaifeng Teachers' University, People's Republic of China; M.A., 1987, Southern Illinois University at Carbondale; Ph.D., 1991, Pennsylvania State University
- X
- Song Xing (2003)**                      **Associate Professor of Information Systems**  
B.S., 1985, Southeast University; M.S., 1990, Southeast University; Ph.D., 2003, George Mason University
- H. Howard Xu (2004)**                      **Associate Professor of Biological Sciences**  
B.S., 1982, Wulan University, M.S., 1988, Bowling Green State University, Ph.D., 1992, University of Minnesota
- Ying Xu (1992)**                      **Librarian**

B.A., 1978, Fudan University, People's Republic of China; M.A., 1985, Leeds University, England; M.L.S., 1989, Rutgers University

## Y

**Katrina Yamazaki (2011)      Assistant Professor of Biological Sciences**

B.S., 2004, Ph.D., 2009, University of California, San Diego

**Ping Yao (1997)      Chair of Asian and Asian American Studies and Professor of History**

B.A., 1982, Eastern Normal University, Shanghai, People's Republic of China; M.A., 1984, Fudan University, People's Republic of China; M.A., 1992, Ph.D., 1997, University of Illinois at Urbana-Champaign

**Hengchun Ye (2001)      Professor of Geography**

B.S., 1985, M.S., 1988, Hangzhou University, People's Republic of China; Ph.D., 1995, University of Delaware

**Zilong Ye (2015)      Assistant Professor of Computer Science**

BS, 2007, Shandong University; MS, 2010, Shanghai Jiao Tong University; PhD, 2015, SUNY Buffalo

**Lamont Yeakey (1982)      Associate Professor of History**

B.A., 1967, M.A., 1969, Roosevelt University; M.A., 1970, M.Phil., 1978, Ph.D., 1979, Columbia University

**Jong-Hwan Yi (1996)      Associate Professor of Finance and Law**

B.A., 1990, M.A., 1990, University of Chicago; Ph.D., 1997, University of Southern California

**Killian P. H. Ying (1988)      Professor of Geography and Urban Analysis**

B.S., 1979, University of Houston; M.A., 1980, Ph.D., 1985, Ohio State University

**Toshiko Yokota (2002)      Professor of Modern Japanese**

1977, Sophia University, Japan, M.A., 1981, University of California, Santa Barbara, M.A., University of California, Los Angeles, 1990, Ph.D., 2000, University of California, Irvine

**Jeewhan Yoon (2014)      Assistant Professor of Management**

B.A., 2004, Korea University, Seoul, South Korea; M.H.S.A., 2006, University of Michigan, Ann Arbor, Michigan; Ph.D., 2014, George Washington University, Washington, D.C.

**Mann J. Yoon (1991)      Professor of Economics and Statistics**

B.A., 1983, Yonsei University, Korea; M.S., 1985, Indiana State University; Ph.D., 1991, University of Illinois

**Beatrice Yorker (2005)      Dean, College of Health and Human Services and Professor of Nursing**

B.S., 1975, Indiana University; M.S., 1978, University of California, San Francisco; J.D., 1988, Georgia State University, College of Law

**Angela M. Young (1997)      Chair and Professor of Management**

B.S., 1984, University of Nebraska; M.B.A., 1992, California State University, Sacramento; Ph.D., 1997, Florida State University

**Holly Yu (2001)      Librarian**

B.A., 1982, Nanjing University, China; M.L.S., 1995, University of Western Ontario, Canada

## Z

**Walter A. Zelman (2007)      Chair of Public Health and Professor of Health Science**

B.A., 1965, University of Michigan; M.A., 1966, University of California, Los Angeles; Ph.D., 1971, University of California, Los Angeles

**Andrea G. Zetlin (1989)      Acting Chair of Special Education and Counseling and Professor of Education**

B.A., 1972, Queens College, City University of New York; M.A., 1973, New York University; Ed.D., 1977, Columbia University Teachers' College

**Zachary Zezima (2017)      Assistant Professor of Art**

B.F.A., 2009, Parsons School of Design; M.F.A., 2016, California Institute of the Arts

**Lijuan Zhao (2013)      Assistant Professor of Accounting**

B.S., 2004, Huazhong Normal University; M.A., 2006, Wuhan University of Technology; Ph.D., 2012, University of Hawaii at Manoa

**Guo-meng Zhao (2002)      Associate Professor of Physics**

B.S., 1985, Zhejiang University, China; M.A., 1990, University of Southern California; Ph.D., 1997, University of Zurich, Switzerland

**Feimeng Zhou (1997)      Professor of Chemistry**

B.S., 1984, Wuhan University, People's Republic of China; Ph.D., 1993, University of Texas at Austin

**Jing Zhauo (2016)      Assistant Professor Food Science Technology**

B.S., 2005, Seoul National University of Technology; MS, 2007, Seoul National University of Technology; Ph.D., 2013, Oregon State University

**Yuqing Zhu (2014)      Assistant Professor of Computer Science**

BS, 2008, Renmin University of China; MS, 2011, Chinese Academy of Sciences; 2014, University of Texas at Dallas.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources   |
|--|--|--|--|---|--|
| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |



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# University Catalog

## Catalog Search

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Semester Catalog 2017-2018

## Campus Maps



- [Download Campus Map \(.pdf\) here.](#)
- [Download Cal State LA Downtown Map \(.pdf\) here.](#)

## Disabled Parking

Parking with CSULA current permit only (includes persons with DMV Placards) on

Circle Drive, Paseo Rancho Castilla, B-Level of the Parking Structure B, all levels of Parking Structures A and C, Lot 4, Lot 6, Lot 7, Lot 7A (residence area), Lot 8, and Lot 10.

## Parking

- Visitors with guest passes: Park in lot designated on the pass.
- Visitors with reservations: check in at parking kiosk for parking in Lot 4.
- Visitors without passes: park in areas with permit dispensers or meters (top level, Parking Structure C; all levels, Parking Structure A; Lot 2; Lot 5; Lot 7).
- NOTE: Permits/passes must be displayed at all times. Questions? Call Parking Administration, (323) 343-3704.

## Navigating King Hall

- King Hall has 4 wings:
  - A - Southwest (nearest to Kennedy Library)
  - B - Southeast (nearest to Engineering and Technology)
  - C - Northeast (nearest to Lot 7)
  - D - Northwest (nearest to Lot 5)
- Rooms in the middle corridor are associated with whatever wing they abut.
- There are 6 floors, B (for Basement) to 5.
- If the room assignment has 3 digits, then the room is in the Basement.
- If the room has 4 digits, then it is on an upper floor.
- Examples: D140 is in the D Wing Basement, and C4069 is in the C Wing Fourth Floor.

## Cal State LA Downtown

Cal State LA Downtown is located at the intersection of Grand Avenue and 8th Street in Downtown's Financial District. [Click here to see more location information.](#)

Cal State LA Downtown  
801 South Grand Avenue  
Los Angeles, CA 90017

## Parking

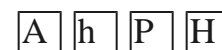
Parking is available in the above ground structure located at 801. South Grand Avenue. The structure is accessible from Grand Avenue Monday-Friday until 7:00 PM and from 8th Street Monday-Friday after 7:00 PM and on Saturdays.

Students pay \$4.00 for the first four hours after 4:00 PM and the posted rate of \$8.00 for each hour thereafter. Other parking lots and structures are available in the vicinity

For additional information on surrounding parking options, visit <https://www.parkme.com/los-angeles-parking>.

## Public Transportation

Cal State LA Downtown is located approximately three blocks from the 7th Street Metro Center station, which is served by the Metro Red, Purple, Blue and Expo lines. For additional information and schedules, visit: [www.metro.net](http://www.metro.net).



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
|--|--|--|--|---|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events<br>Leadership<br>University Times<br>Student Government (ASI)<br>University Student Union<br>Golden Eagle Radio | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and Scholarships<br>Graduate Studies<br>Housing Services<br>International Office<br>Orientation Program<br>Outreach and Recruitment | Center for Effective Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business<br>Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience Collaborative<br>Pat Brown Institute<br>Service Learning<br>Stern MASS<br>The School of Arts<br>Enterprise | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center<br>Housing Services<br>Luckman Fine Arts Complex<br>Public Safety and Parking<br>Title IX<br>University Auxiliary Services<br>University Bookstore<br>University Student Union<br>University Tutorial Center<br>University Writing Center |



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# University Catalog

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- A-Z INDEX OF ALL ACADEMIC DEGREES AND PROGRAMS
- DEGREES, CERTIFICATES AND PROGRAMS
- ACADEMIC DEPARTMENTS
- CATALOG ARCHIVES

## Catalog Search

Entire Catalog

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Whole Word/Phrase

[Advanced Search](#)

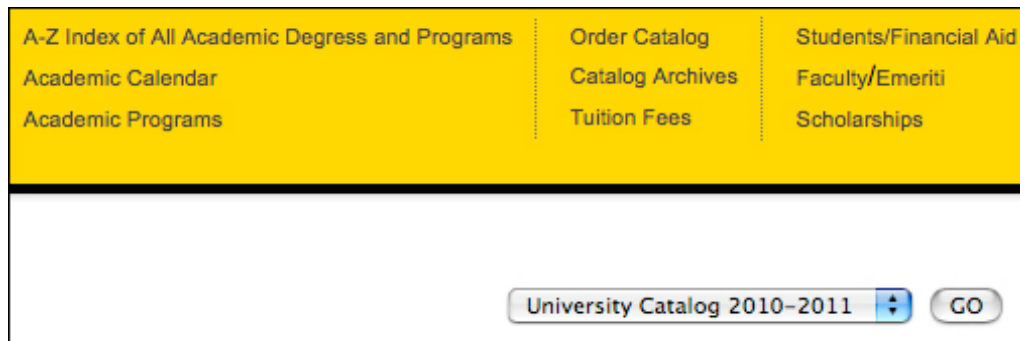
- [Catalog Home](#)
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## Online Catalog Tutorial

### How To Use The Online Catalog

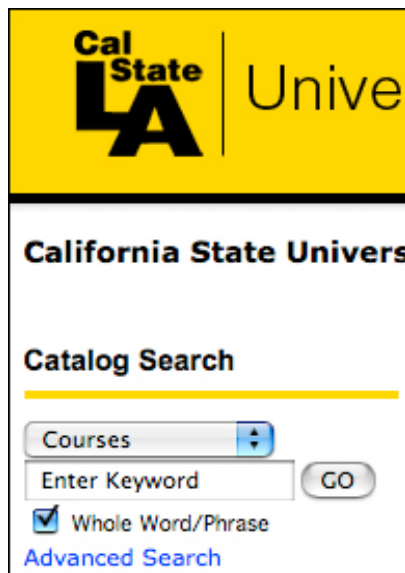
#### 1. Select A Catalog

To access the Cal State University, Los Angeles' online catalog, click on a catalog year that you would like to view (e.g. 2009-2010 Undergraduate Catalog) from any catalog page. To switch between the different catalogs, use the drop down menu at the top of the page and choose from the available catalogs.



#### 2. Use The Navigation Menu

At all times, a navigation menu is available on the left side of the page. Use the menu to navigate through the different sections of the catalog.



#### 3. Searching and Navigating

The following are methods for locating specific programs, courses, colleges, departments, etc., within the online catalog:

Use the catalog search box to key in what you are seeking information about.

From the drop down menu above the search box, choose an area of the catalog that you want to search (e.g.

Courses)

Type in a keyword or phrase (e.g. Expository Writing I or ENGL 100) then click “GO”

The screenshot shows two side-by-side panels. The left panel is titled "Catalog Search" and contains a search input field with "MATH 100" entered, a "GO" button, and a checked checkbox for "Whole Word/Phrase". Below the input field is a link for "Advanced Search". The right panel is also titled "Catalog Search" and features a link for "Add To Portfolio". It displays "Search Results" with a link to "Modify search options.". Under the heading "Courses - Prefix/Code Matches", it shows results for the course prefix "MATH" and/or course code "100", listing "MATH 100 - Introduction to College Mathematics". Under the heading "Courses - Keyword/Phrase Matches", it shows results for the phrase "MATH 100", listing "HHS 400 - Statistics in Health and Human Services" and "HS 472 - Data Analysis for Health Science".

Click on an item in the navigation menu.

To find information on a department or its programs (majors, minors, and certificates), click on “Programs” on the left menu.

Departments are listed in alphabetical order. To view department information, click on “Academic Programs.”

Programs are listed under their departments. To find a specific program, scroll to find the appropriate department.

The screenshot shows a vertical navigation menu with the following items: "Academic Programs", "Course Descriptions", "Full-time Tenured and Tenure-track Faculty", "Emeriti Faculty", and "The California State University System". Each item is separated by a horizontal dashed line.

#### 4. Using “My Portfolio”

My Portfolio allows users to browse through the online catalog to save programs and courses of interest. Users can save content from any catalog in one portfolio. Simply click on the “Add to portfolio” link located above the program/course description or below the entire document to save for future use.

The screenshot shows a page titled "Required Common Core Courses (12 units)". It features a list of courses, with "CIS 504 - Information Systems" highlighted. To the right of this course title are two links: "[ Add to Portfolio ]" and "[ Print Course ]". Below the course title is a description: "(4) Overview of computer, communication and software systems. Cases in: business applications of information technology, managing the acquisition and use of application systems, and working with the information systems organization." At the bottom of the page, there are two more course entries: "CIS 585 - Communication and Information Services (4)" and "CIS 590 - IS/IT Policy and Strategy (4)".

You may review items in your portfolio at any time by clicking on the “My Portfolio” link. “My Portfolio” is cookie based, therefore when you have cleared cookies from the browser cache, items in your portfolio will be cleared.

# My Portfolio

To remove items from your Portfolio, check boxes next to the item to remove and click the *Remove* button.

## The following courses have been added to your Portfolio:

| Course Name  | Remove   |
|--|--|
| <a href="#">CIS 504 - Information Systems</a> [University Catalog 2010-2011] | <input type="checkbox"/><br><a href="#">Remove</a> |

|   |  |  |  |  |  |
|---|--|--|--|--|--|
| <p><b>Students</b></p> <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <p><b>Future students</b></p> <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <p><b>Faculty &amp; Staff</b></p> <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <p><b>Alumni &amp; Giving</b></p> <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <p><b>Community Partners</b></p> <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <p><b>Campus Resources</b></p> <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |
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## Appendix F - Privacy Rights of Students in Education Records [A](#) [h](#) [P](#) [H](#)

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) and regulations adopted thereunder (34 C.F.R. 99) and California Education Code, Section 67100 et seq., set out requirements designed to protect students privacy in their records maintained by the campus, the statute and regulations govern access to records maintained by the campus, and the release of such records. The law provides that the campus must give students access to official records directly related to the student, and must also provide opportunity for a hearing to challenge the records if the student claims they are inaccurate, misleading, or otherwise inappropriate. The right to a hearing under the law does not include any right to challenge the appropriateness of a grade determined by the instructor. The law generally requires the institution to receive a student's written consent before releasing personally identifiable data about the student.

Cal State L.A. has adopted a set of policies and procedures governing implementation of the statute and the regulations. Copies of these policies and procedures may be obtained at the Office of the Vice President for Student Affairs, Student Affairs 108. Among the types of information included in the campus statement of policies and procedures are: (1) the types of student records maintained and the information they contain; (2) the official responsible for maintaining each type of record; (3) the location of access lists indicating persons requesting or receiving information from the record; (4) policies for reviewing and expunging records; (5) student access rights to their records; (6) the procedures for challenging the content of student records; (7) the cost to be charged for reproducing copies of records; and (8) the right of the student to file a complaint with the Department of Education. The Department of Education has established an office and review board to investigate complaints and adjudicate violations. The designated office is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-5920.

The campus is authorized under the Act to release "directory information" concerning students. "Directory information" may include the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution attended by the student. The above-designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying what information the student requests not be released. Such written objections should be directed to the University Registrar.

Cal State L.A. is authorized to provide access to student records to campus officials and employees who have legitimate educational interests in such access. These persons have responsibilities in the campus' academic, administrative, or service functions and have reason for using student records associated with their campus or other related academic responsibilities. Student records may also be disclosed to other persons or organizations under certain conditions (e.g., as part of accreditation or program evaluation; in response to a court order or subpoena; in connection with financial aid; or to other institutions to which the student is transferring). A campus official is any person employed by the University in an administrative, supervisory, academic, research, or support position; a student or a University graduate serving on an official University committee or assisting another campus official in performing his or her tasks; or a person employed by or under contract to, or serving as the agent of, the University to perform a specific task.

### Addendum to the Privacy Rights of Students in Education Records

Cal State L.A. is authorized under the act to release "directory information" about students. "Directory information" includes the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or

institution attended by the student. For bargaining unit student employees, directory information also includes: the name of the department employing the student, the student employee's telephone listing within the department, the student employee's e-mail address within the department, and the student employee's job classification. The above-designated information is subject to release by the campus at any time unless the campus has received prior written objection from the student specifying information that the student requests not be released. Such written objections should be directed to the University Registrar.



| Students   | Future students  | Faculty & Staff  | Alumni & Giving  | Community Partners  | Campus Resources  |
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| <ul style="list-style-type: none"> <li>Undocumented Students</li> <li>GET</li> <li>Organizations</li> <li>Disability Services</li> <li>Events</li> <li>Leadership</li> <li>University Times</li> <li>Student Government (ASI)</li> <li>University Student Union</li> <li>Golden Eagle Radio</li> </ul> | <ul style="list-style-type: none"> <li>Admissions</li> <li>CSU Mentor</li> <li>Disability Services</li> <li>Financial Aid and Scholarships</li> <li>Graduate Studies</li> <li>Housing Services</li> <li>International Office</li> <li>Orientation Program</li> <li>Outreach and Recruitment</li> </ul> | <ul style="list-style-type: none"> <li>Center for Effective Teaching and Learning</li> <li>Human Resources Mgmt</li> <li>Academic Personnel</li> </ul> | <ul style="list-style-type: none"> <li>Alumni Association</li> <li>Charitable Gifts</li> <li>Volunteer Opportunities</li> <li>Fundraising &amp; Development</li> <li>Give to Cal State LA</li> </ul> | <ul style="list-style-type: none"> <li>Academy of Business Leadership</li> <li>EPIC</li> <li>LACHSA</li> <li>Pasadena Bioscience Collaborative</li> <li>Pat Brown Institute</li> <li>Service Learning</li> <li>Stern MASS</li> <li>The School of Arts Enterprise</li> </ul> | <ul style="list-style-type: none"> <li>Campus Tours</li> <li>Career Center</li> <li>Children's Center</li> <li>Clery Report</li> <li>Health Center</li> <li>Housing Services</li> <li>Luckman Fine Arts Complex</li> <li>Public Safety and Parking</li> <li>Title IX</li> <li>University Auxiliary Services</li> <li>University Bookstore</li> <li>University Student Union</li> <li>University Tutorial Center</li> <li>University Writing Center</li> </ul> |



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- [Semester Catalog 2016-2017 \(ARCHIVED June 2017\)](#)
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- [Art, B.A.](#)
- [Asian and Asian American Studies, B.A.](#)
- [Child Development, B.A.](#)
- [Chinese, B.A.](#)
- [Communication, B.A.](#)
- [Communicative Disorders, B.A.](#)
- [Economics, B.A.](#)
- [English, B.A.](#)
- [French, B.A.](#)
- [Geography, B.A.](#)
- [History, B.A.](#)
- [Japanese, B.A.](#)
- [Latin-American Studies, B.A.](#)
- [Liberal Studies, B.A.](#)
- [Mexican-American Studies, B.A.](#)
- [Music, B.A.](#)
- [Philosophy, B.A.](#)
- [Physics, B.A.](#)
- [Political Science, B.A.](#)
- [Psychology, B.A.](#)
- [Social Work, B.A.](#)
- [Sociology, B.A.](#)
- [Spanish, B.A.](#)
- [Television, Film and Media Studies, B.A.](#)
- [Theatre Arts and Dance, B.A.](#)
- [Urban Learning, B.A.](#)

### Bachelor of Science

- [Aviation Administration, B.S.](#)
- [Bachelor of Science Degree in Geology](#)
- [Biochemistry, B.S.](#)
- [Biology, B.S.](#)
- [Business Administration, B.S.](#)
- [Business Administration: Option in Accounting, B.S.](#)

- Business Administration: Option in Business Economics, B.S.
- Business Administration: Option in Business Prelegal, B.S.
- Business Administration: Option in Entrepreneurship, B.S.
- Business Administration: Option in Finance, B.S.
- Business Administration: Option in Healthcare Administration, B.S.
- Business Administration: Option in Human Resources Management, B.S.
- Business Administration: Option in International Business, B.S.
- Business Administration: Option in Management, B.S.
- Business Administration: Option in Marketing, B.S.
- Business Administration: Option in Operations and Supply Chain Management, B.S.
- Business Administration: Option in Real Estate, B.S.
- Business Administration: Option in Retailing, B.S.
- Business Administration: Option in Special Business, B.S.
- Chemistry, B.S.
- Civil Engineering, B.S.
- Computer Information Systems, B.S.
- Computer Science, B.S.
- Criminal Justice, B.S.
- Electrical Engineering, B.S.
- Exercise Science, B.S.
- Fire Protection Administration and Technology, B.S.
- Food Science and Technology, B.S.
- Graphic Communications, B.S.
- Industrial Technology, B.S.
- Kinesiology, B.S.
- Mathematics, B.S.
- Mechanical Engineering, B.S.
- Microbiology, B.S.
- Natural Science, B.S.
- Nursing, B.S.
- Nutritional Science, B.S.
- Physics, B.S.
- Public Health, B.S.
- Rehabilitation Services, B.S.

#### **Bachelor of Music**

- Music, BMus

#### **Minor**

- Accounting Minor
- Asian American Studies Minor
- Asian Studies Minor
- Basic Business Minor
- Biology Minor
- Biomedical Engineering (BME) Minor
- Central American Studies Minor
- Chicano Studies Minor
- Child Development Minor
- Chinese Minor
- Classics Minor
- Communication Minor
- Computer Information Systems Minor
- Computer Science Minor

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- [Physics Minor](#)
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- [Political Science Prelegal Studies Minor](#)
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- [Sociology Minor](#)

- [Spanish Minor](#)
- [Theatre Arts and Dance Minor](#)
- [Women's, Gender, and Sexuality Studies Minor](#)

### **Certification**

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- [Baccalaureate Certificate in Human Resource Management](#)
- [Baccalaureate Certificate in Management](#)
- [Baccalaureate Certificate in Sustainability Marketing](#)
- [Baccalaureate Certificate in Social Media](#)
- [Baccalaureate Certificate Program in Marketing](#)
- [California Reading Certificate](#)
- [Certificate for Transition Specialist](#)
- [Certificate in Entrepreneurship](#)
- [Certificate in Operations and Supply Chain Management](#)
- [Certificate Program in Bilingualism and Global Education](#)
- [Certificate Program in Cultural Competence for Professionals](#)
- [Certificate Program in Geographic Information Systems](#)
- [Certificate Program: Assistant Behavior Analyst Certificate Program](#)
- [Cultural Diversity in Human Services Undergraduate Certificate Program](#)
- [Graduate Certificate Program in Applied Gerontology](#)
- [Natural Science Certificate Program](#)
- [Post Baccalaureate Certificate in Women's, Gender, and Sexuality Studies](#)
- [Post-Baccalaureate Certificate in Business Management](#)
- [Special Education Paraprofessional Certificate](#)
- [Undergraduate Certificate Program in Accounting](#)
- [Undergraduate Certificate Program in Alternative Nutrition](#)
- [Undergraduate Certificate Program in Applied Gerontology](#)
- [Undergraduate Certificate Program in Child Maltreatment and Family Violence](#)
- [Undergraduate Certificate Program in Communications and Networking](#)
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- [Undergraduate Certificate Program in Computer Programming](#)
- [Undergraduate Certificate Program in Enterprise Systems](#)
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- [Undergraduate Certificate Program in Transportation and Logistics](#)
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- [Applied Behavior Analysis Certificate Program](#)
- [Certificate for Teachers of English Learners](#)
- [Certificate in Clinical Counseling](#)



- [Certificate in Educational Therapy](#)
- [Certificate in Higher Education and Career Counseling](#)
- [Certificate Program in Autism Spectrum Disorders](#)
- [Certificate Program in Storytelling for Teachers and Classrooms](#)
- [Credit Certificate Programs](#)
- [Graduate Certificate in Online Teaching and Learning \(COTL\)](#)
- [Graduate Certificate Program in Advanced Information Systems](#)
- [Graduate Certificate Program in Computer Applications in Schools \(CAS\)](#)
- [Graduate Certificate Program in English as a Second or Foreign Language \(ESL/EFL\)](#)
- [Post Baccalaureate Certificate Program in Biotechnology](#)
- [Post-baccalaureate Certificate in Fundamentals of Radar Systems](#)
- [Post-Baccalaureate Certificate in Real Estate](#)
- [Post-Baccalaureate Certificate in Teaching Learners with Special Needs in General Education Classrooms](#)
- [Post-Baccalaureate Certificate Program for Clinical Genetic Molecular Biology Science](#)
- [Post-Baccalaureate Certificate Program for Pre-Health Professionals](#)
- [Post-Baccalaureate Certificate Program in Clinical Laboratory Science](#)
- [Undergraduate Audiology Assistant Certificate Program](#)

### **Master of Arts**

- [Anthropology, M.A.](#)
- [Art, M.A.](#)
- [Child Development, M.A.](#)
- [Communication Studies, M.A.](#)
- [Communicative Disorders, M.A.](#)
- [Economics, M.A.](#)
- [Education, M.A.](#)
- [Education: Option in E-Learning and New Media Design, M.A.](#)
- [Education: Option in Educational Foundations, M.A.](#)
- [Education: Option in Research and Evaluation, M.A.](#)
- [Educational Administration, M.A.](#)
- [English, M.A.](#)
- [Geography, M.A.](#)
- [History, M.A.](#)
- [Latin American Studies, M.A.](#)
- [Master of Arts Degree in Industrial and Technical Studies](#)
- [Master of Arts Degree in Psychology](#)
- [Master of Arts in Education: Option in Bilingual/Multicultural Education in the Urban Classroom](#)
- [Master of Arts in Education: Option in Curriculum and Instruction](#)
- [Master of Arts in Education: Option in Early Childhood/Primary Education](#)
- [Master of Arts in Education: Option in Integrated STEM Teaching](#)
- [Master of Arts in Education: Option in Mathematics Education](#)
- [Master of Arts in Education: Option in Reading](#)
- [Master of Arts in Education: Option in Secondary Teaching](#)
- [Mexican-American Studies, M.A.](#)
- [Music, M.A.](#)
- [Option in Educational Technology Leadership](#)
- [Philosophy, M.A.](#)
- [Political Science, M.A.](#)
- [Sociology, M.A.](#)
- [Spanish, M.A.](#)
- [Special Education, M.A.](#)
- [Teaching English to Speakers of Other Languages \(TESOL\), M.A.](#)
- [Theatre Arts, M.A. \(not accepting applications\)](#)

## **Master of Science**

- [Accountancy, M.S.](#)
- [Biology, M.S.](#)
- [Chemistry, M.S.](#)
- [Civil Engineering, M.S.](#)
- [Computer Science, M.S.](#)
- [Counseling, M.S.](#)
- [Criminal Justice, M.S.](#)
- [Criminalistics, M.S.](#)
- [Electrical Engineering, M.S.](#)
- [Environmental Science, M.S.](#)
- [Geological Sciences, M.S.](#)
- [Healthcare Management, M.S.](#)
- [Information Systems, M.S.](#)
- [Kinesiology, M.S.](#)
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- [Nutritional Science, M.S.](#)
- [Physics, M.S.](#)
- [Psychology, M.S.](#)

## **Blended Bachelor of Science/Master of Science**

- [Civil Engineering, Integrated B.S. / M.S.](#)
- [Computer Science, Integrated B.S./M.S.](#)
- [Electrical Engineering, Integrated B.S. / M.S.](#)
- [Mechanical Engineering, Integrated B.S./M.S.](#)

## **Master of Business Administration**

- [Business Administration, M.S.](#)
- [Master of Business Administration Degree \(MBA\)](#)

## **Master of Fine Arts in Arts**

- [Art, M.F.A.](#)

## **Master of Fine Arts in Television, Film, and Theatre**

- [Television, Film and Theatre, M.F.A.](#)
- [Television, Film and Theatre, M.F.A.](#)

## **Master of Music**

- [Music, MM](#)

## **Master of Social Work**

- [Social Work, MSW](#)

## **Credential**

- [Adapted Physical Education Added Authorization APEAA](#)
- [Art Credential Program](#)
- [CalState TEACH \(CST\)](#)
- [Chemistry Credential Program](#)
- [Clear Induction Administrative Services Credential](#)
- [Education Specialist Credential Programs](#)
- [Geological Sciences Credential Program](#)

- [History Teaching Credential Program](#)
- [Industrial Technology Credential Program](#)
- [Kinesiology Credential Program](#)
- [Mexican American Studies Credential Program](#)
- [Modern Languages and Literatures Credential Program](#)
- [Multiple Subject Teaching Credential](#)
- [Music Credential Program](#)
- [Natural Science Credential Program](#)
- [Natural Science Subject Matter Program](#)
- [Preliminary Administrative Services Credential](#)
- [Pupil Personnel Services Credential](#)
- [Reading and Literacy Leadership Specialist Credential](#)
- [Single Subject Credential Preparation Program in Natural Sciences: Biological Sciences Emphasis](#)
- [Single Subject Credential Preparation Program in Natural Science: Chemistry Emphasis](#)
- [Single Subject Teaching Credential](#)
- [Speech-Language Pathology Services Credential in Language, Speech, and Hearing](#)
- [Subject Matter Waiver Programs in Mathematics](#)
- [Subject Waiver for the Single Subject Credential in Social Sciences](#)
- [The Credential Program](#)
- [Theatre Arts and Dance Credential Program](#)

#### **Post-Master's Certificate**

- [Adult-Gerontology Primary Care Nurse Practitioner \(AGPCNP\) Specialty Certificate](#)
- [Nurse Practitioner: Family Psychiatric/Mental Health Certificate Program](#)
- [Post Master's Certificate in Adult-Gerontology Acute Care Nurse Practitioner \(AGACNP\): Adult Specialty](#)
- [Post Master's Certificate in Family Nurse Practitioner \(FNP\)](#)
- [Post Master's Certificate in Nursing Education](#)
- [Post-Baccalaureate Certificate in Speech-Language Pathology \(Master's Preparation\)](#)
- [Post-Master's Certificate for Nursing Administration](#)
- [Post-Master's Certificate for Psychiatric/Mental Health Clinical Nurse Specialist](#)
- [Postsecondary Reading Certificate Program](#)
- [Special Post Master's Certificate in Nurse Practitioner: Family Psychiatric/Mental Health](#)

#### **Doctor of Philosophy in Special Education**

- [Doctor of Philosophy in Special Education](#)

#### **Doctorate in Education**

- [Doctor of Education \(Ed.D.\) in Educational Leadership](#)

#### **Doctor of Nursing Practice**

- [Doctor of Nursing Practice \(DNP\)](#)

#### **Other Programs**

- [Interdisciplinary Studies Master's Degree](#)



| Students   | Future students  | Faculty & Staff   | Alumni & Giving  | Community Partners   | Campus Resources  |
|--|--|---|--|--|---|
| Undocumented Students<br>GET<br>Organizations<br>Disability Services<br>Events | Admissions<br>CSU Mentor<br>Disability Services<br>Financial Aid and<br>Scholarships | Center for Effective<br>Teaching and Learning<br>Human Resources Mgmt<br>Academic Personnel | Alumni Association<br>Charitable Gifts<br>Volunteer Opportunities<br>Fundraising & Development<br>Give to Cal State LA | Academy of Business<br>Leadership<br>EPIC<br>LACHSA<br>Pasadena Bioscience | Campus Tours<br>Career Center<br>Children's Center<br>Clery Report<br>Health Center |