

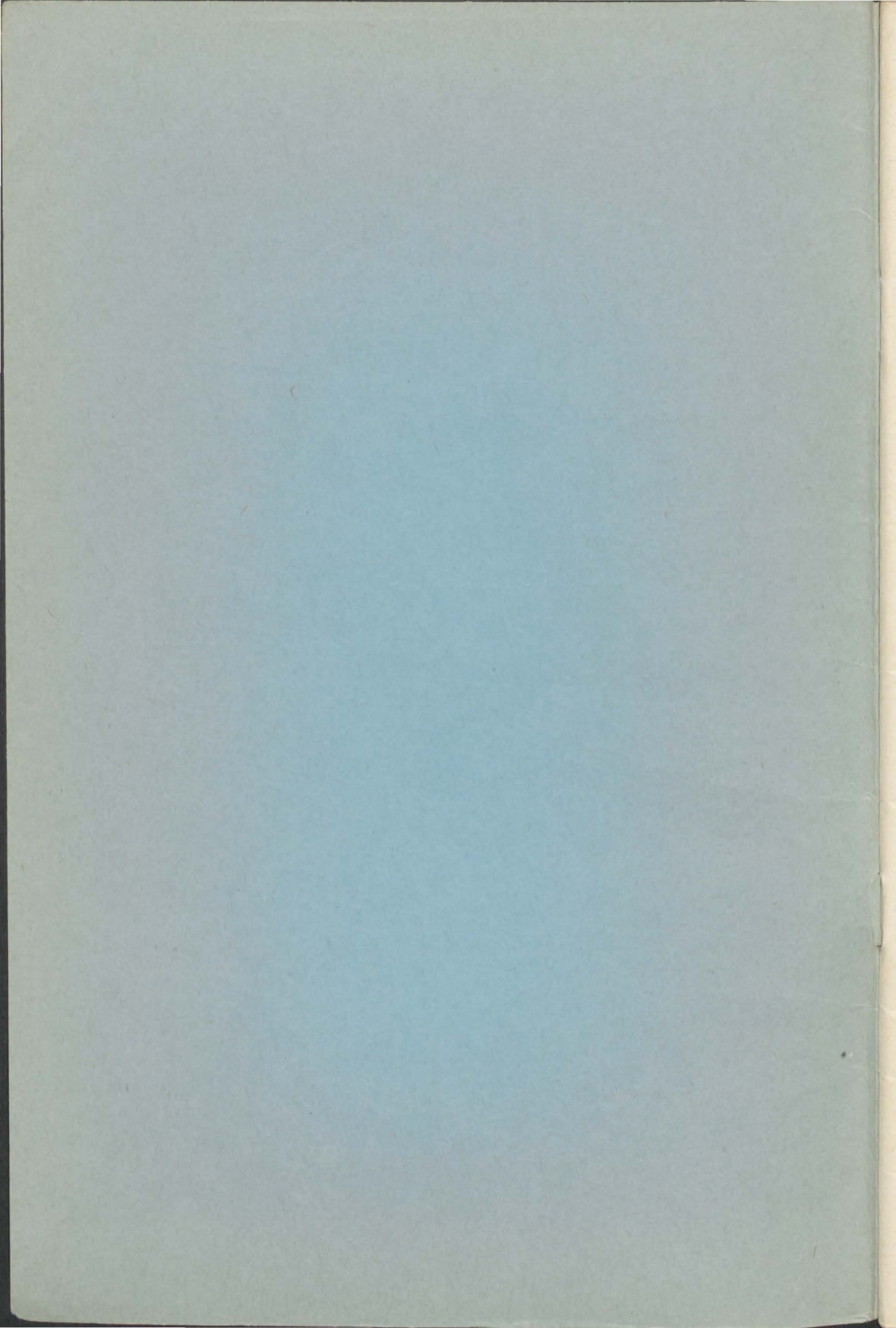
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LOS ANGELES STATE COLLEGE



BULLETIN

1949 - 1950



LOS ANGELES STATE COLLEGE BULLETIN

VOLUME III

NUMBER 1

To become the
LOS ANGELES STATE COLLEGE
OF APPLIED ARTS AND SCIENCES

CIRCULAR OF INFORMATION AND ANNOUNCEMENT OF COURSES

FALL AND SPRING SEMESTERS
1949-1950

855 North Vermont Avenue, Los Angeles 27, California
Telephone: NORmandy 3-3141

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DEPARTMENT OF EDUCATION
STATE OF CALIFORNIA

Roy E. Simpson State Superintendent of Public Instruction
and Director of Education

Aubrey A. Douglass Associate Superintendent of Public Instruction,
Chief, Division of State Colleges and Teacher Education

Joel A. Burkman Assistant Division Chief,
State Colleges and Teacher Education

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COLLEGE ADMINISTRATION

1948-49

P. Victor Peterson	Acting President
Hugh S. Brown	Director of Summer Session
Floyd Eastwood	Men's Counselor
Marie Young Martin	Registrar
John Morton	Acting Head, Education Department
Esther H. Penchef	Women's Counselor
Franklin V. Thomas	Director of Evening Division
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George H. Hackney	Accounting Officer
Roberta M. Heid	Junior Librarian

LOS ANGELES STATE COLLEGE
COLLEGE CALENDAR—1949-50

FIRST SEMESTER

August 15, Monday	Final date for applications for admission to the Fall Semester and credentials to be filed with the Registrar. Credentials received as late as this may not be evaluated in time for a credit summary to be ready by Registration Day.
September 12, Monday September 16, Friday	Orientation week. (Includes personnel tests, preteaching tests, orientation, counseling and registration.)
September 14, 15	Registration for late afternoon and evening classes. 4.00-8.00 p.m.
September 19, Monday	Instruction begins.
September 23, Friday	Last day for late registration.
September 23, Friday	Last day to add courses to study list.
November 11, Friday	Armistice Day (legal holiday).
November 14, Monday	Last day to drop courses without penalty of grade "F"; and last day to withdraw from school without "F" grades.
November 24-25 (Thursday, Friday)	Thanksgiving holidays.
December 19 to January 2, inclusive	Christmas holidays.
January 3, Tuesday	Instruction resumed.
January 6, Friday	Last day to file applications for February, 1949, Semester.
January 19, Thursday	Final examinations begin.
January 27, Friday	Semester ends.

SECOND SEMESTER

January 6, Friday	Last day for applications for admission to the Spring Semester and credentials to be filed with the Registrar. Credentials received as late as this may not be evaluated in time for a credit summary to be ready by Registration Day.
January 30, Monday February 3, Friday	Orientation week. (Includes personnel tests, preteaching tests, orientation, counseling, and registration.)
February 3, Friday	Last day for late registration.
February 6, Monday	Instruction begins.
February 10, Friday	Last day to add courses to study list.
February 22, Wednesday	Washington's Birthday (legal holiday).
March 31, Friday	Last day to drop courses without penalty of grade "F"; and last day to withdraw from school without "F" grades.
April 3 to 7	Easter vacation.
May 30, Tuesday	Memorial Day (legal holiday).
June 8, Thursday	Final examinations begin.
June 16, Friday	Semester ends.

FACULTY—1948-49

- Barber, Helen Hiles Principal, Lockwood School
 B.E., 1934, University of California at Los Angeles.
- Boorkman, Charles J. Librarian
 B.A., 1933, B.S., in L. S., 1938, University of Illinois.
- Brown, Hugh S. Professor of Education and Psychology
 B.A., 1931, University of Manitoba; Ph.D., University of Minnesota, 1947;
 graduate work at University of London, 1935-36.
- Bryant, David L. Associate Professor of Commerce
 B.S., University of Southern California, 1929; M.A., Stanford University, 1933;
 graduate work, University of Southern California, 1947-49.
- Cook, Grant O. Assistant Professor of Music
 B.A., 1937, University of Utah; M.A., 1941, Ed.D., 1944, Teachers College,
 Columbia University; graduate study, University of Idaho, Brigham Young Uni-
 versity, University of Southern California, and University of California at
 Los Angeles.
- Eastwood, Floyd Professor of Education
 Ph.D., 1936, New York University.
- Evans, Marian Assistant Professor of Education
 B.S., in Education, New York University, 1930; M.A., in Cinematography, Uni-
 versity of Southern California, 1942; graduate study, University of California.
- Firman, John Evans Assistant Professor of Education
 B.A., University of Buffalo, 1934; M.S., University of Southern California, 1941;
 graduate study, University of Buffalo, Claremont Graduate School.
- Fleming, Howard A. Assistant Professor of Social Science
 B.A., University of California at Los Angeles, 1947.
- Garver, Myron J. Assistant Professor of Commerce
 B.A., 1933, Arizona State College; M.S., 1941, University of Southern Cali-
 fornia; doctoral candidate, University of Southern California.
- Greer, Ann L. Assistant Professor of English
 B.A., Zion College, 1927; M.A., University of Southern California, 1947; doc-
 toral candidate, University of Southern California.
- Hackney, George H. Accounting Officer
 B.S., University of Idaho, 1942; graduate work, University of Southern Califor-
 nia, 1947.
- Hansen, S. O. Assistant Professor of Commerce
 B.S., 1941, University of Oklahoma; C.P.A., 1948, California; graduate work,
 University of Southern California.
- Holt, James M. Assistant Professor of Commerce
 B.A., 1925, Hendrix College; C.P.A., 1948; graduate study, University of South-
 ern California.
- Jack, Eula O. Assistant Professor of English
 B.S., Oklahoma Agricultural and Mechanical College, 1926; M.A., University of
 Southern California, 1930; graduate work, University of Southern California.
- Jones, Lauris L. Assistant Professor of Music
 B.A., San Jose State College, 1938; M.A., Columbia University, 1942.

- Jumonville, Felix J., Jr. Instructor, Physical Education
B.S., Louisiana State University, 1942; M.S., University of Southern California, 1948; graduate work, University of Southern California since June, 1946.
- Keachie, Edward C. Associate Professor of Commerce
B.S., California Institute of Technology, 1932; M.B.A., Harvard University, 1935; Ph.D., Stanford University, 1948.
- Kincaid, Sterling P. Assistant Professor of English
B.A., 1932, M.A., 1934, Ph.D., 1939, University of Southern California.
- Kirkpatrick, W. B. Principal, John Marshall High School
B.A., 1920, Occidental; M.A. and Ed.D., 1928, University of Southern California.
- Martin, Marie Young Registrar
B.A., 1930, University of California, Berkeley; M.S., 1946, University of Southern California; graduate work, University of Southern California, 1946-49.
- Metzger, V. Arthur, Jr. Assistant Professor of Commerce
M.B.A., 1948, University of California.
- Mortensen, Donald Grant Assistant Professor of Education
B.A., Brigham Young University, 1937; graduate study, University of California at Los Angeles, 1939-40; doctoral candidate, University of Southern California.
- Morton, John A. Professor of Education
B.S., 1936, M.S., 1939, University of Oregon; Ed.D., Stanford University, 1945.
- Nix, Edward H. Associate Professor of Education
B.A., 1930, M.A., 1933, Ed.D., 1943, Stanford University.
- Olsen, John W. Associate Professor of Art
B.E., 1934, University of California at Los Angeles; M.A., 1937, Columbia University; graduate work, New York University, Bennington College, University of Iowa, Columbia University, Chouinard Art Institute, Pratt Institute of Art; doctoral candidate, Columbia University.
- Page, Peter Assistant Professor of Music
B.A., Haverford College, 1936; B.S., Institute of Musical Art, 1941; M.A., Colorado College, 1940; Juilliard Graduate School, 1937-40.
- Penchef, Esther H. Associate Professor of Sociology
B.S., 1935, Bowling Green State University; M.A., 1940, University of Toledo; Ph.D., 1947, University of Southern California.
- Peterson, Lawrence L. Assistant Professor of Music
B.E., Minnesota State College, 1935; M.S., University of Southern California, 1946; graduate study, University of Southern California, 1948-49.
- Peterson, P. Victor Acting President
B.A., 1917, Iowa State Teachers College; M.A., 1921, Ph.D., 1930, Stanford University.
- Reams, Lois T. Principal, Los Feliz School
B.A., 1928, University of California at Los Angeles.
- Rydell, Raymond A. Assistant Professor of Social Science
B.A., 1937, M.A., 1945, Ph.D., 1948, University of California at Los Angeles.
- Sanders, David L. Instructor in Commerce
B.S., University of Southern California, 1948; graduate work, University of Southern California, 1948-49.
- Sandler, Ake Assistant Professor of Social Science
B.A., 1943, M.A., 1946, University of Southern California; graduate study, University of California at Los Angeles.

- Stanley, Joseph W. Associate Professor of Social Science
B.A., 1928, Cornell University; M.A., 1941, Ph.D., 1948, Stanford University.
- Thomas, Franklin V. Professor of Education;
Director of Evening Division
B.A., 1924, M.A., 1928, Indiana University; Ph.D., Ohio State University, 1939;
graduate study, Columbia University, McGill University, University of Wisconsin, University of Chicago.
- Tonge, Fred M. Associate Professor of Education
B.A., 1928, San Jose State College; M.A., 1929, Ed.D., 1945, Stanford University.
- Wallace, Karl M. Assistant Professor of Education
B.S., Brigham Young University, 1942; M.S., 1945, Ph.D., 1947, University of Southern California.
- Ward, Ernest Associate Professor of Education
B.A., 1927, Marietta College; M.A., 1937, Ohio State University; Ed.D., 1942, University of Cincinnati.
- Wilkening, Howard E. Associate Professor of Psychology
B.S., 1933, M.A., 1939, Ph.D., 1941, New York University; graduate study at University of Colorado, Columbia University, Purdue University.
- Williams, Stanley White Assistant Professor of Education
B.A., 1940, Bates College; M.S. in Education, 1947, Ed.D., 1949, University of Southern California.
- Wilson, Donald P. Professor of Psychology
B.A., 1922, Asbury College; M.A., 1929, University of Florida; Ph.D., 1941, University of Southern California.
- Wilson, James Bright Associate Professor of Social Science
B.A., 1936, Mayville College; B.D., 1939, Garrett Biblical Institute; M.A., 1942, Ph.D., 1944, University of Southern California.
- Wilson, William Thaddeus Assistant Professor in Business
Administration
B.S., 1925, M.S., 1931, University of Arkansas; Ph.D., 1934, Cornell University.

PART-TIME FACULTY

- Aquilino, Marjorie, B.A.
 Armstrong, Robert P., M.A.
 Bankston, Gene, M.S.
 Banning, Helen, B.S.
 Barker, William, Ph.D.
 Bennett, Esther Wollam, M.A.
 Berg, George, M.D.
 Brown, Marjorie, M.A.
 Browell, Kenneth, M.A.
 Buck, Alice, B.A.
 Burke, Helen, B.S.
 Campbell, Harry W., M.A.
 Carmichael, H. Kenn, Ph.D.
 Carter, Vernon, B.A.
 Caswell, Oscar C., M.A.
 Coffin, J. Herschel, Ph.D.
 Cole, Natalie, B.E.
 Colodny, Isidore, M.A.
 Connon, Francis, M.A.
 Crandall, Luzerne W., M.A.
 Danielson, Cora Lee, M.A.
 Daywalt, William E., Ph.D.
 Decker, Eva May
 Desmond, Danny, B.A.
 Diehl, Adam E., M.B.A.
 Dietz, Alice M.
 Dingilian, Lois, B.A.
 Donnally, Glen, M.A.
 Dyck, John, M.A.
 Edinger, S. Calvin
 Feeman, Ray, B.A.
 Frey, Ruth Leyslon
 Fritz, Elaine V., M.A.
 Gannon, Joseph F., Ed.D.
 Gates, George, M.A.
 Goldberg, Joseph, M.A.
 Greenup, Harriett, B.A.
 Grinnell, Frances, M.S.
 Guild, Elliott W., Ph.D.
 Haller, Dorothy E., B.A.
 Hansen, Lorentz I., Ph.D.
 Hanson, H. Endicott, M.A.
 Harmon, L. Boyd, M.A.
 Harper, Wilma M. G., B.A.
 Harris, Robert E. G., M.A.
 Heath, Helen Truesdale, B. Litt.
 Helsel, Carl L., B.A.
 Herrle, Irene C., B.S.
 Hill, Frank L., C.P.A.
 Hodge, Ruth, B.S.
 Hoheisal, Jack, B.A.
 Holliday, Edith M., B.A.
 Hone, Elizabeth, M.A.
 Hood, A. W.
 Howard, John, Ph.D.
 Hunt, Thomas E., M.S.
 Hunter, Mildred W., B.A.
 Hurley, Cornelius, M.A.
 Jamieson, Martha, B.Mus.
 Johnston, William, B.A.
 Keslar, Miriam, B.A.
 Kessler, Ethel, M.S.
 Kessler, Sydney, M.A.
 Kingston, Henry
 Kinnett, Eugene D., M.B.A.
 Kitzinger, Helen, M.A.
 Krenek, Ernst
 Laidlaw, Leonard, B.A.
 Lee, Robert Tyler
 Lewerenz, Margaret, B.E.
 Limonick, Natalie, B.A.
 Livingston, Alfred, Jr., B.A.
 Lovering, Stella, D. és Lettres
 Lowell, Rose, M.S.
 McDonald, Aliceruth, B.S.
 McMahon, Genevieve, B.A.
 McNutt, Nellie
 Maddox, Lorene L., B.A.
 Marbut, John Albert, B.A.
 Maxwell, Marjorie, B.S.
 Milham, Chester R., Ph.D.
 Moore, Gilbert S., M.A.
 Nixon, John Erskine, M.A.
 Olson, Eugene, Ed.D.
 Osgood, Robert, B.B.A.
 Palfrey, Mary, B.A.
 Parichan, Alice, M.A.
 Partin, Agnes E., M.A.
 Paxton, Mayme
 Peterson, Phyllis K.
 Pfister, Elta, Ph.D.
 Priebe, Roy, M.S.
 Prindeville, Gerald, M.S.
 Purdy, Robert J., B.A.
 Putman, Ernestine L., M.A.
 Qualen, Edward N., B.A.
 Reed, Elizabeth, Doctora en Literatura
 Reid, Bella, M.E.
 Reinhard, Jack
 Robertson, Eileen
 Rosenfeld, Selma, M.A.
 Ross, Roland C., M.S.
 Ruhl, Robert G., M.A.
 Sarafian, Armen, M.A.
 Scott, Beatrice, B.A.
 Seely, Orma S., M.A.
 Shaw, John W., Ph.D.
 Shaw, Ray B., M.A.
 Smith, John A., Ed.D.
 Sparks, Lawrence P., M.A.
 Stahlem, Evelyn, M.A.
 Stanley, Joseph, Ph.D.

Stanton, Joseph O., M.A.
 Stephens, Ruth B., B.A.
 Stewart, C. C., Ed.D.
 Stewart, Florence V., B.A.
 Stinson, Dorothy, M.S.
 Stoops, Jack D., B.E.
 Suman, Ruth
 Taylor, Della Thon, B.S.
 Taylor, Miriam B., B.E.
 Tierney, Elizabeth D., M.S.

Tucker, Mildred F., B.Mus.
 Urner, S. E., Ph.D.
 Van Ess, Pauline, B.A.
 Voliva, Bessie, B.A.
 Warick, Edith H. Press, B.S.
 Webber, Mary, B.A.
 Webster, Evelyn
 Wedchase, Gussie, B.A.
 Westerman, Karl, M.A.
 Whitson, Hazel S., B.A.

ADMINISTRATIVE ASSISTANTS

Arnold, Helen
 Bailey, Ethel E., A.A.
 Brantley, Mary, A.A.
 Devich, Angelina A.
 Ehrenwerth, Alberta, B.A.
 Glasser, Robert, B.A.
 Goodbody, Rosemarie S.
 Greenwood, Mildred E.
 Hakanson, Eileen
 Harlan, Barbara, A.A.

Heywood, Harold L., B.A.
 Kallmeyer, Alice E., B.A.
 Kolberg, Betty Platt
 Lemly, Marie, B.S. in B.A.
 Mitchell, Katherine, B.A.
 Museus, Elizabeth, B.A.
 Oates, Arlene, B.A.
 Sears, Ruth E.
 Siamis, Toni, B.A.
 White, Joyce A., B.A.

GENERAL INFORMATION

HISTORY

The Los Angeles State College, to become the Los Angeles State College of Applied Arts and Sciences, opened in September, 1947. The college offers two semesters' and one summer session's work each year.

Course offerings are determined by the needs of the students and will be expanded in accordance with the increased demands in the metropolitan area of Los Angeles, as well as in the State of California.

In 1935 the Legislature gave the State Colleges the standing of liberal arts institutions. The Los Angeles State College of Applied Arts and Sciences is thereby enabled to provide the academic offerings of a general college, and, in addition, specialized training to meet student and community needs.

LOCATION

The Los Angeles State College, for the present, will utilize certain plant facilities of the Los Angeles City College under contract between the Governing Board of the Los Angeles Junior College District and the Director of Education of the State of California.

COURSES

Although established by law as a four-year institution, the Los Angeles State College will offer only a limited number of lower division courses during the year 1949-50. It will limit its program offerings to students who have attained upper division and graduate status.

EVENING CLASSES

Los Angeles State College offers courses in the late afternoon and evening for those students who are unable to attend the day sessions. Students enrolled in the evening classes must meet the same rules and regulations as the day students.

EXTENSION CLASSES

Off-campus extension courses are offered by the college to meet the needs of in-service teachers, business, civic, and professional groups.

RECOGNITION

The Los Angeles State College has been approved by the California State Department of Education to offer courses leading towards the various teacher training credentials.

Credits earned in recognized programs may be transferred to the University of California and to the various state colleges.

A student who wishes to transfer to any other collegiate institution should follow the degree and scholarship requirements of that college to avoid loss of time after transfer.

PROVISION FOR VETERANS

The Los Angeles State College is approved for the training of veterans of World War II. Public Law 346 is applicable to any veteran and Public Law 16 to any veteran with a service-incurred disability.

The State of California has made provision for educational assistance to qualified veterans who were residents of California at the time of entering service.

CREDIT FOR MILITARY EXPERIENCE

In accordance with the recommendation of the California Committee for the Study of Education and The American Council on Education, and with the endorsement of the State Board of Education, the Los Angeles State College will grant credit for military experience. Such credit will be granted only upon completion of the military service and upon application to the Registrar's Office for evaluation. The application should be accompanied with a photostatic copy of veteran's separation papers.

VOCATIONAL REHABILITATION

A vocational rehabilitation officer is available at Los Angeles State College for interviewing applicants who have suffered a physical or mental disability which renders them vocationally handicapped. Appointments may be made with this officer, or by contacting the regular vocational rehabilitation office at 811 Black Building, 357 South Hill Street; telephone, MADison 7631.

ADMISSION

Admission to the Los Angeles State College for the year 1949-50 is based on evidence that the student has completed at least 60 units of college work and has met the scholarship standard represented by at least an average of Grade "C" in all college courses undertaken.

An applicant may not disregard any part of his college work in applying for admission. He should ask the registrars of all high schools and colleges attended to forward complete official transcripts direct to the Registrar, Los Angeles State College. A statement of honorable dismissal from the last college attended must also be presented.

Not more than 64 semester hours of work may be allowed for credit from junior colleges.

Not more than 20 units of lower division work will be accepted in any one department toward the bachelor's degree.

Students who do not qualify for admission may apply at the Registrar's office for advice on how best to remove entrance deficiencies.

Admission to graduate courses is limited to holders of the bachelor's degree from an accredited college. Transcripts of record must be filed with the Registrar's office before admission will be granted to graduate courses.

EVALUATION OF CREDENTIALS

Before an evaluation of credits can be made, official transcripts of high school and all college records must be sent to the Registrar by the

registrars of the schools attended. Transcripts will not be accepted from students. A fee of \$2 is charged for evaluating records.

LATE ADMISSION AND REGISTRATION

The student should consult the college calendar and acquaint himself with the dates upon which students are expected to register and be prepared to begin work promptly at the opening of the semester. Failure to register upon the stated registration day is certain to cause difficulty in the making of a satisfactory program.

A fee of \$2.00 is charged for late registration; this fee applies to both old and new students.

REGISTRATION PROCEDURE

No student in the Los Angeles State College may attend any class either as an auditor or as a credit student unless he has registered in advance for the course.

All students must register with the Registrar their choice of courses to be pursued in any semester, on blanks provided for the purpose, at the time and place designated. Registration at a later date requires special permission. Each student must register in person.

Students registered in year courses must register for these courses at the beginning of each semester. They are sometimes permitted to register for year courses in the second semester without having been registered in the first semester. When this is done, credit is given for the work of the second semester only.

No person will be admitted as a student to any course except as authorized by the official certificate of registration supplied to each student by the Registrar, subject to the approval of the appropriate study-list officer. Concurrent enrollment in the Los Angeles State College and in courses in any other institution is permitted only when the entire program of the student has received the approval of the appropriate study-list officer.

STUDY-LIST REGULATIONS

At the beginning of each semester, every student is required to file with the Registrar, upon a date to be fixed by the Registrar, a detailed study list bearing the approval of a faculty adviser or other specified authority.

The presentation of a study list by a student and its acceptance by the College is evidence of an obligation on the part of the student to perform faithfully the designated work to the best of his ability. Withdrawal from, or neglect of, any course entered on the study list, or a change in program without the formal permission of the Registrar, makes the student liable to enforced withdrawal from the College, or to other appropriate disciplinary action.

The regular student program is 16 units each semester. Students will be allowed to take from 12 to 16 units each semester without special permission.

Authority of Instructors

No student will be permitted to enter upon the study of any subject if, in the opinion of the instructor, he lacks the necessary preparation to insure competent work. Every student is required to satisfy the instructor in each of his courses of study, in such ways as the instructor may determine, that he is performing the work of the course in a systematic manner.

Instructors will report to the president from time to time the names of students whose attendance or work is unsatisfactory. Any instructor, with the approval of the president, may at any time exclude from his course any student guilty of unbecoming conduct toward the instructor or any member of the class, or any student, who, in his judgment, has neglected the work of the course. A student thus excluded will be recorded as having failed in the course of study from which he is excluded.

CLASSIFICATION OF STUDENTS

Students are classified as follows:

1. Regular students are those who have been accepted in regular status.
2. Probationary students are those who have slight deficiencies in scholarship.
3. Limited students are those who carry five units of work or less. These students pay \$3 for each unit of work undertaken.

EXAMINATIONS

Final examinations are required in all undergraduate courses. All examinations will be conducted in writing and a maximum time will be assigned beforehand for each examination, which no student will be allowed to exceed.

Examinations in the fundamental subjects for teaching are given each semester.

LEAVE OF ABSENCE AND HONORABLE DISMISSAL

A brief leave of absence, to expire on a definite date, may be issued to a student in good standing, who finds it necessary to withdraw for a short time, but who wishes to retain his status in his classes and to resume his work before the close of the current semester. No excuse for absence will relieve the student from the necessity of completing all the work of each course to the satisfaction of the instructor. Petition forms for leaves of absence may be obtained at the office of the Registrar.

An honorable dismissal will be granted upon petition to any student in good standing provided he withdraws on or before the date set for withdrawing without "F" grades.

A student in good standing is one who is not on probation, or one who has not been dismissed because of scholarship deficiencies, or one who is not under disciplinary action.

Discontinuance without notice. Students who discontinue their work without formal leave of absence do so at the risk of having their registration privileges withdrawn and receive "F" grades in all courses.

TRANSCRIPT OF RECORD

Each student will be provided, upon request to the Registrar, with one official copy of his college record, without charge. After the first request, a minimum charge of \$1 is made for each additional transcript of record. Application for a transcript should be made directly to the Registrar well in advance of the time when the record will be needed by the applicant.

GRADES AND GRADE POINTS

In the Los Angeles State College, the result of the student's work in each course is reported to the registrar in one of the following scholarship grades:

A	Superior	3 grade points
B	Good	2 grade points
C	Average	1 grade point
D	Barely passing	0 grade points
F	Failure	0 grade points
W	Withdrawn	0 grade points
I	Incomplete	0 grade points

The Grade "I" is recorded for work of high character but which is incomplete for an acceptable reason. If the work is completed by the close of the next semester in which the course is offered, the grade is changed to that earned; otherwise, it is automatically changed to an "F."

The Grade "W" is used to refer to the dropping of a course by petition before the end of the eighth week of the semester. Unapproved withdrawal from class after the first two weeks of the semester is interpreted as a failure in the course.

Course reports filed by instructors at the end of each semester are final.

Any student who desires to obtain his scholarship grades must deposit with the Registrar (at the end of each semester) a self-addressed stamped envelope for this purpose.

PROBATION AND DISQUALIFICATION

The records of students who do not maintain a "C" average will be reviewed and appropriate action taken towards probation or disqualification.

LIVING ACCOMMODATIONS

Since there are no dormitories on the campus, students live at home or in boarding houses. Owing to the fact that living accommodations are inadequate, students should make inquiries about housing as early as possible before registration. Board and room may be obtained from \$15 to \$20 a week, and rooms range from \$5 to \$10 a week. Students may reduce the cost of board and room by some cooperative living arrangement.

GENERAL EXPENSES AND FEES

Registration Fees

Regular students (carrying over 5 units)	
Tuition, per semester	\$6 50
Materials and service fee, per semester	6 00
Limited students (carrying 5 or less units)	
Tuition, <i>per unit</i>	2 50
Materials and service, <i>per unit</i>	50
Studio lessons (for private instruction)	
Fee, <i>per lesson per student</i>	\$1 00 to 4 00
Late registration fee	2 00
Change of program	1 00

Other Fees or Charges

Registration book—duplicate	50
Failure to return registration book on required date	1 00
Identification card—duplicate	25
Transcript of record—duplicate	1 00
Evaluation of records	2 00
Fundamentals Test	50
Failure to meet administratively required appointment or time limit	2 00

Fees Not Charged by the State But Payable to the Student Association

Student body fee per semester (subject to change)	5 00
Diploma fee, for graduating seniors	3 00

Auditors pay the same fees as regular students. There is no additional fee for nonresidents.

Upon withdrawal from college, a portion of the tuition fee will be refunded provided an application is filed in the Registrar's office not later than two weeks after Registration Day.

Any unused portion of the materials and service fee will be refunded upon withdrawal from college provided written application is filed in the Registrar's office within four weeks after Registration Day.

Proportionate refunds of student body fee are made in accordance with the regulations printed on the student body card.

ASSOCIATED STUDENTS

Upon payment of membership dues of \$5 per semester, students become members of the Associated Students. This fee is payable at the time of each registration. The membership ticket given in receipt entitles the student admission to athletic events, dramatic productions, musical concerts and other social functions, to hold office and vote, to belong to student organizations, to receive the college paper, *College Times*, and to purchase the college yearbook, *Pitchfork*.

Students are encouraged to participate in extracurricular activities, including student government.

In addition to the student body as a whole, there are other campus organizations which center around student academic interests: in teaching, the CSTA; business, the SAM; advertising, Phi Delta; mathematics, Delta Sigma Chi; physical education and recreation, CAPHER; drama, La Scada; psychology club; sports and recreation club; music, Gamma Omicron Kappa; accounting, Sigma Chi Alpha; and social science, Sigma Tau Sigma.

Service and social organizations already organized are Las Damacitas, Rho Delta Chi, Order of Satan, and Alpha Theta Pi.

ATHLETICS

The athletic program of the college was organized with a basketball and track team during the past year. Additional athletics will be available at the opening of the fall semester.

DEGREES

The requirements for the Bachelor of Arts or the Bachelor of Education Degree as set forth in this catalog pertain to Los Angeles State College. Students who plan to transfer to another institution for a degree will find it advisable to consult with the transfer institution to obtain the specific degree requirements of that institution before undertaking work at Los Angeles State College.

Bachelor of Education Degree

The State Board of Education in April, 1948, approved a program whereby certain teachers holding provisional credentials might earn the Bachelor of Education Degree. The provisional credential may be secured by teachers who have taught at least two years on an emergency elementary school credential, who have credit for at least two years of college work, who are recommended by their superintendent, and who declare their intention of pursuing a program with this College which will lead to the degree and a regular credential. Provisions have been made for credit for teaching experience when properly supervised. Credit may also be secured by examination under certain conditions. Further information will be supplied on request.

Master's Degree

The State Board of Education was authorized to grant the master's degree by an act of the Legislature in April, 1949.

Information regarding the degree will be available by the opening of the fall semester.

REQUIREMENTS FOR THE BACHELOR'S DEGREE

SOCIAL SCIENCES 12 semester units

Acceptable choices:

History	Social Anthropology
Political Science	Philosophy
Economics	Geography
Public Administration	Sociology

NATURAL SCIENCES 12 semester units

Acceptable choices:

Chemistry	Zoology
Physics	Meteorology
Physiology	Anatomy
Botany	Bacteriology
Biology	Physical Geography
Astronomy	Entomology
Geology	Paleontology

ENGLISH	6 semester units
English composition	
Public speaking may be substituted for three units under special conditions	
PSYCHOLOGY	3 semester units
General psychology	
PHYSICAL EDUCATION	2 semester units
Activity courses	
MAJOR (see each department for required courses)	24-60 semester units
MINOR	12 semester units
ELECTIVES TO TOTAL	120 semester units

A minimum of 120 semester units in college courses, of an average "C" grade or better, must be offered by the candidate for the degree of Bachelor of Arts.

Approximately 60 units of upper division courses will be expected, but in no case will less than 40 actual upper division units be accepted.

Not more than 60 units in any subject field shall be accepted for the degree; when the degree is accompanied by a teaching credential, the maximum shall be 40 units.

Not more than 20 units of lower division work in any one department will be accepted toward the bachelor's degree.

Only 64 units of lower division work will be accepted from junior colleges.

A minor is a combination in a prescribed field of not less than 12 semester units, at least six of which must be upper division.

American History and Government. It is required by law that all graduates shall have demonstrated a knowledge and understanding of the government of the United States and of United States history, including American institutions and ideals. The requirement may be satisfied by examination or by lower or upper division approved courses.

Residence requirement. The last 24 semester units of work towards the bachelor's degree must be completed at the Los Angeles State College.

GENERAL ELEMENTARY CREDENTIAL

The requirements listed below must be met by any student entering State College, beginning Summer Session, 1949, who expects to obtain the General Elementary Credential.

I. Lower Division Program

- The following requirements must be completed before clear upper division standing can be attained:

	<i>Semester hours</i>
a. Social Sciences	12
b. Natural Sciences	12
c. Psychology (general)	3
d. English (Speech may be used for 3 units of this requirement)	6
e. Physical Education	2
f. Electives to meet major and minor requirements	25

- A grade point average of 1.00 for all work undertaken.

II. *Upper Division Program*

1. One major in education as listed below.

Required:

	<i>Semester hours</i>
Education 102 —Growth and Development.....	2
Education 104 —Curriculum and Observation.....	3
Education 106 —Principles of Elementary Education.....	2
Education 110 —Educational Psychology.....	2
Education 111A—Teaching Mathematics in Elementary Schools.....	1
Education 111B—Teaching Social Studies in Elementary Schools.....	1
Education 111C—Teaching Language Arts in Elementary Schools.....	2
Education 111D—Teaching Science in Elementary Schools.....	1
Education 147 —Audio-Visual.....	2
Education 150 —Directed Teaching.....	8

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2. One minor as listed below.

Required:

Physical Education 100—Games, Sport Skills, Rhythms.....	3
Art 100—Art for Elementary Teachers.....	2
Music 103—Elementary School Music.....	3
English 112—Children's Literature.....	3
Art 120—Crafts for Elementary Teachers.....	2

Select one course from:

Geography 121—Geography of North America (3)	3
Geography 109—Geography of Pacific Area (3)	
History 190—History of Pacific Area (3)	
History 8-A, B—History of Americas (3)	
Geography 122—Geography of Hispanic America (3)	

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3. Electives recommended if the student's program permits

Education 126—Teacher in the Community.....	2
Speech 101—Speech and Drama for Kindergarten-Primary and Elementary Teachers.....	3
Nature Study 120—Nature Study.....	3
Industrial Arts 100—Industrial Arts for Elementary Teachers.....	3
Nature Study 125—Nature Study.....	3
Education 109—Tests, Measurements, and Evaluations.....	2

4. Demonstration of adequate proficiency in the subjects required by law (Calif. Educ. Code Sec. 12130) and evidence of adequate preparation for teaching the statutory elementary school subjects. Evidence of proficiency will be interpreted as consisting of satisfactory scores on standardized achievement and/or aptitude tests administered at the college, or official transcripts of school study showing satisfactory completion of courses in the designated subjects.
5. Fulfillment of scholarship standards and recommendation of the appropriate faculty committee.
6. Assurance of physical fitness.
7. Evidence of correct speech habits and voice control.

KINDERGARTEN-PRIMARY CREDENTIAL

The requirements listed below must be met by any student entering State College beginning Summer Session, 1949, who expects to get the Kindergarten-Primary Credential.

I. Lower Division Program

- | | |
|---|---------------------------|
| 1. The following requirements must be completed before clear upper division standing can be attained: | <i>Semester
hours</i> |
| a. Social Sciences | 12 |
| b. Natural Sciences | 12 |
| c. Psychology (general) | 3 |
| d. English (Speech may be used for 3 units of this requirement) | 6 |
| e. Physical Education | 2 |
| f. Electives to meet major and minor requirements | 25 |
| 2. A grade point average of 1.00 for all work undertaken. | |

II. Upper Division Program

1. One major in education as listed below.

Required:

Education 102—Growth and Development	2
Education 103—Curriculum and Observation, Kindergarten-Primary	2
Education 105B—Early Childhood Education	2
Education 106—Principles of Elementary Education	2
Education 111KP—Methods	2
Education 147—Audio-Visual Aids	2
Education 150—Directed Teaching	8
Psychology 108—Mental Hygiene	2
Psychology 112—Child Psychology	2
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	24

2. One minor as listed below.

Required:

Physical Education 100—Games, Sport Skills, Rhythms	3
Art 100 or 125—Art for Elementary Teachers, or Industrial Arts	2
Music 126—Kindergarten-Primary Music	2
English 112—Children's Literature	3
Art 120—Crafts for Elementary Teachers	2
Select two courses from the following	4-6
Geography 121—Geography of North America (3)	
Geography 109—Geography of Pacific Area (3)	
History 190—History of Pacific Area (3)	
History 8-A, B—History of Americas (3)	
Geography 122—Geography of Hispanic America (3)	
Education 126—Teacher in the Community (2)	
Speech 101—Speech and Drama for Kindergarten-Primary and Elementary Teachers (3)	
Nature Study 120—Nature Study (3)	
Industrial Arts 100—Industrial Arts for Elementary Teachers (3)	
Nature Study 125—Nature Study (3)	
Education 109—Tests, Measurements, and Evaluations (2)	

3. Demonstration of adequate proficiency in the subjects required by law (Calif. Educ. Code Sec. 12130) and evidence of adequate preparation for teaching the statutory elementary school subjects. Evidence of proficiency will be interpreted as consisting of satisfactory scores on standardized achievement and/or aptitude tests administered at the college, or official transcripts of school study showing satisfactory completion of courses in the designated subjects.
4. Fulfillment of scholarship standards and recommendation of the appropriate faculty committee.
5. Assurance of physical fitness.
6. Evidence of correct speech habits and voice control.

GENERAL SECONDARY CREDENTIAL

The county certificate based on a General Secondary Credential authorizes the holder to teach any or all subjects (with the exception of classes organized under the provisions of the federal and state vocational acts) in all grades of any junior college, senior high school, four-year high school, junior high school, and the seventh and eighth grades of an elementary school.

Requirements:

1. Possession of an approved bachelor's degree from this or another recognized college or university.
2. An undergraduate scholarship average of 1.5 or above.
3. Credit or satisfactory examination covering the United States Constitution.
4. Approval of candidacy by the appropriate committee.
5. A minimum of 24 units of upper division and graduate courses completed after receipt of the bachelor's degree. At least 15 of the required 24 units must be completed in residence at the Los Angeles State College.
6. An approved credential major and a credential minor selected from the following:

(M indicates majors offered by the college; m indicates minors)

M m Art	m German
M m Business Education	M m History
M m Economics	M m Mathematics
M m English	M m Music
M m English-Speech	M m Physical Education
m French	M m Political Science
M m General Science	M m Social Science
m Geography	M m Sociology
m Geology	M m Spanish
	m Speech

Not more than 40 units will be accepted in the major field toward the 120 units required for the degree.

Other approved teaching majors and minors completed at other colleges or universities will be accepted.

7. At least 18 semester units in Education, 6 of which must be taken in the graduate year. Education courses at Los Angeles State College must include the following or their equivalents:

	<i>Units</i>
Education 102—Growth and Development	2
Education 107—History of Education	3
Education 109—Tests, Measurements and Evaluations	2
Education 110—Educational Psychology	2
Education 130—Counseling and Guidance in the High School Program	3
Education 147—Audio-Visual Aids	2
Education 165—Observation and Curriculum	2
Education 170—Principles of Secondary Education	2
Education 193—Methods in the Major and Minor	2
Education 250—Directed Teaching	4

8. *Lower Division Program:* The following requirements must be completed before clear upper division standing can be attained:

a. Social Sciences	12
b. Natural Sciences	12
c. Psychology (general)	3
d. English (Speech may be used for 3 units of this requirement)	6
e. Physical Education	2
f. Electives to meet major and minor requirements	25

NURSING

The curriculum in nursing as offered by the Los Angeles State College fulfills the requirements for the degree of Bachelor of Arts and for a certificate in nursing as outlined by the Board of Nurse Examiners of the State of California.

The program of study includes three semesters in the pre-nursing field at a junior college, followed by three years' enrollment in an affiliated hospital. The Hospital of the Good Samaritan and the Hollywood Presbyterian Hospital, nurses training schools, are affiliated with the college.

During the final semester of hospital enrollment, the Los Angeles State College offers subjects for completion of work for graduation. Students who wish to follow this curriculum should consult the Educational Director of the affiliated hospital.

COURSES OF INSTRUCTION

Descriptions are given below of courses offered at Los Angeles State College.

COLLEGE YEAR

The college year includes two regular sessions, designated the fall semester and the spring semester, and a summer session of six weeks.

NUMBERING OF COURSES

Courses from 1-99 are lower division; courses from 100-199 are upper division; courses numbered 200 or above are graduate courses.

Upper division courses followed by the symbol * are available for graduate credit.

The letters A and B after course numbers indicate first and second semester.

UNIT VALUE

The unit value for each course is indicated for each semester by a numeral in parentheses.

All courses are on the semester basis. A semester unit corresponds to one hour of the student's time weekly during each semester in lecture or recitation in addition to the time required in preparation, or three hours of time each week in laboratory or other exercise.

YEAR SCHEDULE

Not all the courses listed are offered every semester. For the courses offered any given semester, together with place and time of meeting, consult the schedule, which is distributed during the registration period of each semester and summer session.

The College reserves the right to withdraw any course listed in the schedule for which there is not sufficient enrollment. Enrollment in courses may be limited by the College.

DUPLICATION OF COURSES

Students may not repeat courses for credit.

ANATOMY

102 Human Anatomy (3)

Prerequisite: Zoology or physiology.

Lecture and laboratory. Study of prepared human dissections, models, and microscopic slides.

ART

Major: Special Secondary in Art or General Secondary. Lower division: Required:

(1) Art appreciation or history, 4 units; crafts, 4 units; drawing or painting, 4 units; design, 4 units; electives in art, 2 units. (Not more than 18 units of lower division art will be accepted towards the degree in the above curricula.) (2)

Upper division: To be planned with an art adviser and the registrar's office.

Major (without a credential): Lower division: Required: (1) Art appreciation or history, 4 units; crafts, 4 units; drawing or painting, 4 units; design, 4 units; electives, 4 units. (Not more than 20 units of lower division art will be accepted toward the degree in the above curriculum.) (2) Upper division: To be planned with an art adviser and the registrar's office.

Minor: Twelve units, at least 6 of which must be in upper division.

100 Art for Elementary Grades (2)

Designed to help the teacher meet the art needs of elementary school pupils. Discussions, lectures, field trips, and readings in relation to both individual and group art experiences using a variety of materials.

101A-101B Art in Modern Life (2-2)

A study of the arts in relation to contemporary living and to the democratic way of life. Discussions, field trips, readings, and lectures designed to increase the understanding of the contribution which the arts are making and can make to bring about desired changes in both human personality and environment.

102A-102B Introduction to Craft Materials (2-2)

Inventive and resourceful use of clay, paper, wire, wood, metal, fabrics, paints, and plastics.

103A-103B Advanced Design (2-2)

Prerequisite: Two semesters in design.

Individual and group experiences in both two and three dimensional expression. First semester: Emphasis is on designing and making objects which demonstrate the use of fine design in the immediate environment of each student. Second semester: Emphasis is on designing and making objects for mass production.

104A-104B Advanced Painting (2-2)

Prerequisite: Two semesters each in painting and design.

Emphasis is on individual planning and growth, sincerity of expression, and fine craftsmanship. Related research in both reading and field trips as needed.

110 Art Appreciation for Teachers (2)

Lectures, discussions, readings, and field trips to develop critical appreciation of the visual arts with specific application to art in school environment.

111A-111B Art History (2-2)

A study of the graphic and plastic arts as they have developed from their earliest beginnings to the present day.

112A-112B Textiles (2-2)

Loom and frame weaving, reading and writing of pattern drafts; design of printed fabrics including the use of silk screens, linoleum blockprints, stencils, and dyes.

113A-113B Theatre Design (2-2)

A study of the visual relationship involved in both play and dance production. Designing and making models, construction and painting stage scenery.

114A-114B Life Drawing (2-2)

The use of various art media for studying and drawing the human figure from life.

120 Crafts for the Elementary School (2)

A beginning course in the use of various materials such as clay, wood, leather, paper, yarn, raffia, and linoleum in relation to the needs of the elementary school child.

121A-121B Art History (2-2)

A continuation of Art 111A-111B.

122A-122B Advanced Ceramics (2-2)

Prerequisite: Art 102 or Art 120 or permission of instructor.

Throwing, plaster casting, pouring, glazing, and stacking the kiln for bisque and glaze firing. Lectures and discussions on clay bodies, glaze composition, methods of decoration, and the design of ceramic forms.

123A-123B Industrial Design (2-2)

Prerequisite: Two semesters in design.

Invention and execution of machined objects utilizing the potentialities of power-tools in relation to functional, technological, economic, and social aspects.

131A-131B Oriental Art (2-2)

A study of the graphic and plastic arts of China, Japan, India, and Persia.

132A-132B Jewelry and Metal (2-2)

Prerequisite: Two semesters in design.

Processes and materials involved in the design and making of jewelry.

133A-133B Advertising Design (2-2)

Prerequisite: Two semesters in design, one semester in drawing.

The elements of visual expression and design related to the technical, psychological and social aspects of advertising.

140A-140B Clay Modeling (2-2)

Experiences in using clay as an expressive medium. Modeling small objects, slab and coil methods of pottery making, methods of decoration, including slip, glazes, and textural effects.

141A-141B History of Costume and Furniture (2-2)

Costume and furniture from earliest times to the present day in relation to the functional, technological, and social aspects of each period.

143A-143B Interior Design (2-2)

Prerequisites: Two semesters in design, one semester in drawing.

The elements of visual expression and design in relation to the designing of interiors for industry and residences.

153A-153B Costume Design (2-2)

Prerequisite: Two semesters in design, one semester in life drawing.

Design and execution of clothing in relation to personality, materials, and processes.

154A-154B Painting for Fun (2-2)

A course in the use of various media to provide opportunities for individual growth and experience in drawing and painting. The use of pastels, tempera, water-colors, or oils, either indoors or out-of-doors.

164A-164B Special Studies in Life Drawing (2-2)

Prerequisite: Art 114A and 114B and Art 104A and 104B, or the equivalent.

Imaginative organization of light and space using the human figure as the motif.

180A-180B Special Studies in Methods of Art Education (2-4-2-4)

Prerequisite: Consent of instructor.

Individual projects in the selecting, organizing, teaching, guiding, and evaluating of individual or group art activities.

181A-181B Special Studies in Art Appreciation and Art History (2-4-2-4)

Prerequisite: Consent of instructor.

Individual projects in the study of art expressions in relation to social, technological, and psychological conditions.

182A-182B Special Studies in Crafts (2-4-2-4)

Prerequisite: Consent of instructor.

Individual projects in plastic expression emphasizing the relationship between material, function, and design.

183A-183B Special Studies in Design (2-4-2-4)

Prerequisite: Consent of instructor.

Individual projects in Industrial Design, Advertising Design, Interior Design, Costume Design, and Theatre Design, depending upon major area of interest.

184A-184B Special Studies in Painting (2-4-2-4)

Prerequisite: Consent of instructor.

Individual projects in drawing or painting emphasizing the personal and imaginative use of materials.

BOTANY**105 Classification of Flowering Plants (3)**

Lecture, 1 hour; laboratory, 6 hours.

Lectures, laboratory and field studies on the classification and distribution of seed plants and ferns, with emphasis in the laboratory on the collection and classification of wild flowers. The economic value of different species will also be included in the lectures.

199 Special Problems (1-4)

Admission by consent of instructor.

Credit and hours to be arranged.

Individual problems for students competent to carry on individual work.

BUSINESS

Required for all majors in Business:

(1) Lower division: Principles of Economics, 6 units; Accounting, 6 units; Business Law, 6 units; Economic Geography, 6 units; Mathematics of Finance, 3 units. Students who have not completed Business Law must enroll in Law 118A, 118B.

Major: Accounting. (2) *Required:* Upper division: Economics 135, 3 units; Business 101, 121, 139, 158, 159A, 159B, 160A, 161A, 162.

Minor: Twelve units, at least six of which must be in upper division.

Recommended electives: Business 132, 150, 155, 157, 160B, 161B.

Major: General Business. (2) *Required:* Upper division: Business 101, 121, 132, 139, 148, 150, 153, 155, 156, 165.

Minor: Twelve units, at least six of which must be in upper division.

Recommended electives: Six units selected from other business courses.

Major: Industrial Management. (2) *Required:* Upper division: Business 101, 121, 139, 150, 153, 155, 161A, 165, 166.

Minor: Twelve units, at least six of which must be in upper division.

Required electives, on advice of counselor: Nine units.

Major: Marketing. (2) Required: Upper division: Business 101, 121, 135, 137, 139, 152, 155, 156, 165, 188.

Minor: Twelve units, at least six of which must be in upper division.

Required electives, on advice of counselor: Six units.

1-2 Elements of Accounting (3-3)

Prerequisite: Consent of instructor.

100 Duplicating Machines (2)

Prerequisite: Shorthand and Typing.

Lecture, 2 hours; laboratory, 2 hours.

Various types of duplicating machines. Secretarial duties and requirements.

101 Business Organization (3)

Prerequisite: Consent of instructor.

A survey course required for business administration majors, preferably at the beginning of the junior year. Covers the functional fields of business, such as marketing, finance, production, sources and handling of business information. Special emphasis is given to principles of business organization and management. Includes lectures, discussion of problems, and sample case analyses.

110 Municipal and Governmental Accounting (3)

Prerequisite: Consent of instructor.

Problems of budgeting, tax levies, appropriations, and accounting for revenues and expenditures. Management aspects of budgeting.

121 Business Statistics (3)

Prerequisite: Consent of instructor.

Graphical representation of statistical data; study of statistical methods; measures of central tendency, variation, index numbers, correlation; introduction to sampling theory; applications to business problems.

126 Credits and Collections (2)

Prerequisite: Consent of instructor.

A study of the forms and classes of credit; sources of information about those who apply for credit; collection devices.

132 Investments (3)

Prerequisite: Business 139.

A survey of corporate securities from the standpoint of the individual investor. Concerned primarily with development of analytical techniques for determining intrinsic merits of both bonds and stocks. Investment policies appropriate for different investors are formulated. Some time is devoted to security market operations and to the factors which seem significant in security price fluctuations. Intended for students not majoring in accounting.

135 Advertising (3)

Prerequisite: Consent of instructor.

Principles and practices of advertising; study of purpose; copy, layout, mechanics, media, research, and the complete campaign.

137 Salesmanship (3)

Prerequisite: Consent of instructor.

Development of the sales plan. Securing prospects; public relations; effective sales presentation.

139 Corporation Finance (3)

Prerequisite: Consent of instructor.

Forms of business organization; financial plan; promotion; types of securities; expansion; consolidation; and aspects of reorganization.

140 Advertising Copy and Layout (2)

Prerequisite: Business 135 or Journalism 84 or 184.

The function of copy, copy appeals, structural principles, suggestions for developing copy; types of copy are emphasized as well as the structural principles of layout. Identification and use of type; appropriate use of engraving and lithographic processes in advertising; keying the layouts.

141 Sales Management (3)

Prerequisite: Consent of instructor.

The study of actual case materials forms the basis for this course. In each case the facts are analyzed and solutions proposed. The major problems of sales management cover the entire range of the marketing operation—what, to whom, how, and at what prices shall products or services be sold? To answer that question there is required a consideration of policies, organization, and the many specific aspects of marketing, including management of the sales force.

142 Industrial Materials and Processes (3)

Prerequisite: Consent of instructor.

The physical aspects of industry, as distinguished from the organization and managerial aspects. Significant characteristics of the more important materials of manufacture such as wood products, iron and steel, aluminum, petroleum, copper, rubber, and synthetics. Machine tools and industrial products are considered, including their relation to industrial designs. A background in physics and chemistry is helpful, but not required.

147 Business and Government (3)

Prerequisite: Consent of instructor.

Presents the most significant points of contact between business and government, and stresses the necessity for thoroughly understanding everyday relationships with public authority. The antitrust laws; unfair trade practices; regulation of public utilities, railway, highway, and water transport; government regulation of credit, prices, and labor relations. Social security plans and influences of taxation on business policy are analyzed.

148 Business Fluctuations and Forecasting (3)

Prerequisite: Principles of Economics. (Economics 171, either prerequisite or concurrently.)

Analysis of major influences determining general level of business activity. The purpose of this course is to orient the student in the basic fundamentals of our economic system as they relate to forecasting future business conditions. Special consideration given to handling and interpreting national income statements.

150 Industrial Management (3)

Prerequisite: Consent of instructor.

The development and application of scientific management in business. Illustrations are drawn chiefly from modern factory practice. Problems of plant location, equipment, material handling, motion and time study, control of material and production, office management, human problems, and industrial safety are studied.

151 Public Utilities (3)

Prerequisite: Consent of instructor.

Development of the need for public utilities, such as transportation of mail, goods, and persons. Brief survey of the legal and other problems involved in regulation, public ownership. Special emphasis on operating aspects of electric power and other utilities.

152 Traffic and Transportation (3)

Prerequisite: Consent of instructor.

Functions of traffic departments; classification of freight; tariffs; characteristics of principal transportation agencies.

153 Personnel Management (3)

Prerequisite: Consent of instructor.

The selection and maintenance of the working force at all levels. Human relations aspects, organizational and cost considerations are included. Safety, training, recreation and similar specialties are covered. Orientation only is given with respect to problems of union and public relations.

154 Office Organization and Management (3)

Prerequisite: Consent of instructor.

Analysis of function of various office departments, their organization and management. Methods used in selecting and training office personnel, office planning layout; selection and care of office supplies and equipment; methods and devices used to improve operating efficiency, types and uses of appliances, techniques of performing office duties.

155 Marketing (3)

Prerequisite: Consent of instructor.

The organization and principal operating aspects of our system for distributing goods and services. Topics covered include retail and wholesale distribution channels, consumer buying characteristics, pricing, marketing of industrial products, and cooperative marketing of agricultural products.

156 Consumer Economics (3)

Prerequisite: Consent of instructor.

A study of consumption, the relation of the consumer to the price system, and the consumer's own problems.

157 Governmental Budgeting (2)

Prerequisite: Consent of instructor.

Historical development of public budgeting; modern practices and techniques involved in the formulation, enactment and administration of the budget; coordination with staff agencies and management aspects of budgeting. Practices and procedures observed in budgetary operation at federal, state, county and municipal levels are considered.

158 Federal Tax Accounting (3)

Prerequisite: Three semesters of Accounting.

The statutes, regulations, administrative rulings, and court decisions relative to federal income. Problems assigned include the preparation of tax returns.

159A-159B Intermediate Accounting (3-3)

Prerequisites: Business 1, 2, and 9, or consent of instructor.

Theory and practice, essentially problem technique. Topics include: Working papers, valuation of current and fixed assets, consignments, installment sales, intangible assets, investments, funds, and reserves, corrections, analysis of statement, application of funds, etc.

160A-160B Advanced Accounting (3-3)

Prerequisites: Business 159A-159B.

Theory and practice, essentially problem technique. Topics include: Ventures, insurance, statement of affairs, receivership accounts, branch accounts, foreign exchange, estate accounting, budgets, public accounts, bank and stock brokerage accounting, etc.

161A Industrial Accounting (3)

Prerequisite: Consent of instructor.

161B Cost Accounting (3)

Prerequisite: One year of accounting or consent of instructor.

The distribution of expenses in business, with primary emphasis on factory accounting. Standard costs, distribution and analysis of burden (overhead), budgeting, and cost control are typical problems.

162 Auditing (3)

Prerequisite: Enrollment in or credit for Business 159A, or consent of instructor.

Principles of auditing and the steps followed in conducting an audit. Audit practice set and preparation of audit report.

163 Foreign Trade (3)

Prerequisite: Consent of instructor.

Characteristics of foreign trade; comparative costs; exchange of goods and services; foreign exchange; tariffs, etc.

164 Insurance (2)

Prerequisite: Consent of instructor.

Economic theory of risk, its extent and importance to both the individual and business; transfer of risk; distribution and prevention of loss; types of insurance carriers; the insurance contract; coverages; special forms of life, fire, marine, and casualty insurance; state supervision.

165 Purchasing (2)

Prerequisite: Consent of instructor.

Price and price policy; purchasing policy; sources; budget; testing.

166 Industrial Relations (3)

Prerequisite: Business 153 or consent of instructor.

Emphasis is on relations between employers and employees as the latter are represented by organized labor. Recognition, collective bargaining, labor history and labor law form the basis of the course. Specific topics covered include wages, hours, working conditions, promotion transfer discharge, safety employment stabilization, employee security, public and community relations.

167 Production Planning and Control (3)

Prerequisite: Business 150.

Production planning and budgeting; development of the production control system, including product development, materials control, plant and equipment analysis, production standards and methods, personnel and supervision; control of production quantity and quality; measurement of production efficiency.

168 Motion and Time Study (3)

Prerequisite: Senior standing.

Laws of motion economy; study of hand motions and their simplification through the use of process charts, micromotion analysis and workplace design; theory and practice of time study, rating of worker performance, rate setting and wage payment.

171 Economics of Enterprise (3)

Prerequisites: Economics 1A-1B, or 100.

A study of the price theory. This course is designed to familiarize students with the effect of price policies upon business profits.

172A-172B Advanced Secretarial Procedures (2-2)

Prerequisites: Two years of shorthand and typewriting.

Stenographic office problems, development of skill in transcription. Principles underlying the editing of letters and reports. Emphasis upon skills and knowledges for executive and administrative secretaries.

188 Retail Store Management (3)

Prerequisite: Business 155.

A study of retailing methods from the standpoint of the owner and manager. Includes the case study of such subjects as purchasing, planning, stocks, inventory methods, markup, accounting for stock control, pricing, style merchandising, and general management problems.

189 Organization and Management Problems (3)

Prerequisite: Senior standing.

A study of business policy in the areas of production, finance, and marketing. The interdependence of the parts of the organization and the need for unity of management thinking is stressed. Lectures, cases, and discussion.

195 Business Correspondence (3)

Prerequisite: Typing.

199 Individual Research (1-3)

Prerequisite: Consent of instructor; senior standing and grade-point average of at least 1.7.

Up to three semester units of special work may be arranged in the candidate's major field.

CHEMISTRY

106 Organic Chemistry (3)

Prerequisite: Chemistry 1.

This course includes a general survey of aliphatic and aromatic compounds.

107 Organic Chemistry Laboratory (3)

Prerequisite: Chemistry 1 and 2 with grades of "C."

Chemistry 106 should be taken concurrently.

108 Biochemistry (4)

Prerequisites: Chemistry 7 with grade of at least "C."

Lecture: 3 hours; laboratory, 3 hours.

A study of carbohydrates, fats, proteins, enzymes and vitamins, with special reference to the nutrition of the living cell. Analysis of milk, blood and urine are also included.

DRAMA

Major: Required: (1) Lower division: Fundamentals of Speech, 3 units; 15 units to be selected from the field of dramatic art. (2) Upper division: Drama 100, 2 units; Drama 102, 2 units; Drama 104, 2 units; Drama 154, 2 units; Drama 155, 2 units; Drama 162A-B, 6 units; Drama 169A-B, 6 units; Drama 185A-B, 6 units. Not acceptable for a teaching major.

100 Directed Reading (2)

Prerequisite: Consent of instructor.

Guided study of selected literature in theater and drama, with regularly scheduled student-instructor conferences.

102 Senior Problems (2)

Prerequisite: Consent of instructor.

Special production, performance, and research projects selected to fit individual training needs with regularly scheduled student-instructor conferences.

104 Dramatic Criticism (2)

Prerequisite: Approved courses in dramatic literature and consent of instructor.

A survey of dramatic criticism from Aristotle to the twentieth century, through lectures, reports, and discussion.

152 Choral Speaking (3)

Prerequisite: Consent of instructor.

Development of the voice by group interpretation and literature.

154 Interpretative Reading (2)

Prerequisite: Consent of instructor.

Study and application of techniques in the dramatic interpretation of books, plays, and stories.

155 Dialects (2)

Prerequisite: Consent of instructor.

Training in the performance of all major dialects.

162A-162B Advanced Applied Acting (3-3)

Prerequisite: Consent of instructor.

Application of acting theory in the performance of dramatic scenes.

164 Techniques and Methods in School Dramatic Activities (2)

Applied acting and directing. Designed to provide (1) both theory and practical experience in acting and directing related to school and extracurricular activities; and (2) a course for students interested in theatre and its allied fields. A practical approach to acting, directing, and producing for stage, screen and television.

166 Television Techniques (2)

A general coverage of acting, directing, producing and adaptation of writing for the medium of television. Designed for teachers, writers, musicians, entertainers, and others who have need of an understanding of the fundamentals of this new field. Includes performance on programs at a major television station.

169A-169B Rehearsals and Performance (3-3)

Prerequisite: Consent of instructor.

Acting, directing, and producing plays.

172A-172B Stage Playwriting (3-3)

Prerequisite: Consent of instructor.

Theory and practice of the fundamentals of effective stage playwriting.

185A-185B Stage Play Direction (3-3)

Prerequisite: Consent of instructor.

Principles of casting, aims of rehearsals, planning, and designing of long plays.

ECONOMICS

Major: Lower division. Required: (1) Principles of economics, 6 units; statistical methods, 3 units; economic geography, 6 units; principles of accounting, 6 units; (2) Upper division: Economics 103, 3 units; Economics 135, 3 units; Economics 150, 3 units; Economics 178, 3 units; electives from Economics, 3 units.

Requirements outside the field of economics: A year course in political science, history or sociology, 6 units.

Minor: Twelve units, at least six of which must be upper division.

100 **Fundamentals of Economics** (3)

Fundamental principles of economics and their application to current economic problems. Not open to students who have taken a year of Principles of Economics.

103 **Economic Thought** (3)

Study of the development of economic ideas and of systems of economic doctrine; emphasis upon modern economic thought.

135 **Money and Banking** (3)

The elements of monetary theory. History and principles of banking, with special reference to the banking system of the United States.

138 **Business Cycles** (3)

See Business 148.

140 **Statistical Methods** (3)

See Business 121.

150 **Labor Problems** (3)

A study of labor organization and their policies; wages, strikes, unemployment, social insurance, child labor, labor legislation, plans for industrial peace, and other labor problems.

160 **Government and Business** (3)

See Business 147.

177 **Postwar Reconstruction** (3)

The economic problems faced in rebuilding a peacetime economy; the role of private enterprise; regulation of industry; price control; proposals for reconstruction.

178 **Economic History of the United States** (3)

See History 178.

195A-195B **Principles and Practices of International Trade** (3-3)

Theory and characteristics of international trade. The exchange of goods and services; foreign exchange; tariffs.

EDUCATION

For credential requirements, see specific credentials.

100 **Introduction to Education** (2)

A survey of the purposes, nature and accomplishments of education in our American democracy.

102 **Growth and Development** (2)

Prerequisite: Psychology 21 or consent of instructor.

A study of intellectual, emotional, and social development of the child. Emphasis is given to problems of mental hygiene during the critical growth periods.

103 Curriculum and Observation Kindergarten-Primary Level (2)

Prerequisite: Education 105B, 111 KP, 102.

Modern theory of education. Experience in classroom situations on the kindergarten-primary level.

104 Elementary School Curriculum and Observation (3)

Prerequisite: Education 100 or 106, and 110.

Modern theory of education and concrete experience in practical application to classroom situations. Two lectures, two laboratory sessions, and one participation each week. Required for general elementary credential.

105A Early Childhood Education (Pre-school) (2)

Techniques used by teacher and parent in guiding the physical, intellectual, social and emotional development of the child during nursery school years.

105B Early Childhood Education (2)

Methods required for the kindergarten-primary credential.

Practical applications of modern educational theory in the primary grades. Special emphasis upon educational activities in kindergarten and the first three grades with practical recognition of the strategic importance of this period of child experience.

106 Principles of Elementary Education (2)

Required for kindergarten-primary and general elementary credentials.

An overview of the principles underlying the objectives, procedures, operations and trends of the modern elementary school and its functions as a social agency in the community. Such important aspects as the principles of learning, guidance, evaluation, curriculum construction, and community relations will be considered.

107 History of Education (3)

(2 units when taken in the Evening Division.)

An inventory of the contributions made to the development of education from various sources. Modern education, its aims, methods and schools are evaluated.

108 Nursery School Techniques (2)

Observation and practice in meeting the needs of preschool children. Development of skill in guiding child behavior.

109 Tests and Measurements (2)

Measurement of mental maturity. Study of statistical terms. Standardized tests. Group and individual diagnosis and evaluation.

110 Educational Psychology (3)

Principles of psychology applied to learning process. Native capacities, individual differences, heredity, and environment. Kinds, theories, and laws of learning. Measurement of mental maturity, achievement, and diagnosis of difficulties.

111A Teaching Mathematics in Elementary Schools (1)**111B Teaching Social Studies in Elementary Schools (1)****111C Teaching Language Arts in Elementary Schools (2)****111D Teaching Science in Elementary Schools (1)****112 Child Psychology for Kindergarten Teachers (2)****113 Rehabilitation of the Deaf and the Hard of Hearing (2)**

An orientation course for teachers and others interested in the counseling, training and placement problems of the deaf and the hard of hearing.

- 114A-114B **Teaching Speech to the Deaf (2-2)**
Methods used in teaching speech to the deaf.
- 115A-115B **Special Methods of Teaching the Deaf (2-2)**
- 116 **Techniques of Extended Day Care (2)**
Observation and principles of meeting the needs in extended day care centers.
- 117 **Personality of the Teacher (2)**
Study of the techniques and methods of development of the social skills; outline of personality traits desirable in the well-adjusted teacher; evaluation of personality tests; emphasis on professional ethics, teacher relationship with the principal, other teachers, school personnel, parents, and the community; discussion of dress and grooming for the professional woman.
- 124 **Principles of Curriculum Development (2)**
Prerequisite: Education 110, 111.
Development of curricula on elementary and secondary levels.
- 126A-126B **Industrial Arts for Elementary Grades (2-2)**
- 130 **Introduction to Student Personnel Work (3)**
Counseling and guidance in the secondary school. A course for those intending to do special work in this field and for administrators and others who wish a picture of the personnel program in one course. Topics included: Philosophy of the work, personnel and their functions, special work of the counselor, administration and development of the program.
- 131 **Educational Statistics (3)**
A functional treatment of descriptive statistics, graphical representation of data; measures of relative position, central tendency and variation; correlation; the normal distribution; introduction of sampling theory. Applications to problems in education and psychology.
- 135A **Methods of Teaching Remedial Reading (2)**
- 135B **Reading Clinic (2)**
Demonstration and practice in diagnosis of reading difficulties.
- 136 **Remedial Reading Techniques (2)**
- 147 **Audio-visual Methods (2)**
Prerequisite: Education 102 and 106; or 102 and 170.
Designed to acquaint teachers with theories and methods of visual instruction and to furnish experience in the utilization of audio-visual aids.
- 149 **The Teacher and the Community (2)**
- 150A **Directed Teaching—Primary Level (4)**
Prerequisite: Education 103 and 111KP, or 104 and 111A, B, C, D.
- 150B **Directed Teaching—Elementary Level (4)**
Prerequisite: Education 104 and 111A, B, C, D.
- 153 **Audiometry—The Testing of Hearing (2)**
- 154 **Education of Children With Impaired Vision (6)**
For teachers of sight saving classes and for those who wish to qualify for this field. The course will include anatomy and hygiene of the eye, common eye diseases and defects, visits to eye clinics, organization and administration of sight saving classes, teaching techniques and methods.

- 159 **Techniques of Counseling** (3)
Prerequisite: Education 130 or equivalent.
An advanced course in counseling and guidance.
- 163 **Organization and Direction of Extra-Curricular Activities** (2)
- 165 **Observation and Curriculum—Secondary Level** (2)
- 170 **Secondary Principles** (2)
Required of all students preparing for general secondary, special secondary, or junior high school credentials.
Secondary education in the United States. Basic principles upon which modern school practices are founded. Student and teacher relationships, changing policies in secondary education.
- 185 **Child Welfare and Attendance Problems** (3)
- 186 **Laws Relating to Children** (3)
- 188 **Education of Exceptional Children** (3)
- 193A **Secondary Methods in Art** (2)
- 193B **Secondary Methods in Business** (2)
- 193D **Secondary Methods in Drama** (2)
- 193E **Secondary Methods in English** (2)
- 193L **Secondary Methods in Language** (2)
- 193M **Secondary Methods in Music** (2)
- 193MA **Secondary Methods in Mathematics** (2)
- 193P **Secondary Methods in Physical Education** (2)
- 193S **Secondary Methods in Science** (2)
- 193SS **Secondary Methods in Social Studies** (2)
- 250 **Directed Teaching—Secondary Level** (4)

ENGINEERING

- C.E. 101 **Route Surveying** (3)
Prerequisite: Consent of instructor.
Two lectures and one three-hour field section.
Reconnaissance, preliminary and location surveys; simple, compound and transition curves; calculations of earthwork and other quantities; correlated field problems.
- E.E. 102 **Alternating Current Circuits and Machinery** (4)
Prerequisite: Consent of instructor.
Three hours of lecture and one three-hour laboratory per week.
A study of single-phase alternating current circuits and machinery. Emphasis is placed on the effects of resistance, inductance and capacity in alternating current circuits.
- G.E. 101A-101B **Strength of Materials** (3-3)
Prerequisite: Consent of instructor.
Elastic and ultimate resistance of materials; stress analysis, deflections and combined stresses.
- G.E. 101C **Engineering Materials Laboratory** (1)

G.E. 102A-102B Analytical Mechanics (3-3)

Prerequisite: Consent of instructor.

An introductory course in applied mechanics; the work of this course is laid out for students in engineering.

ENGLISH

Major: Lower division, required: (1) English Composition and Rhetoric, 6 units; Survey of English Literature, 6 units. (2) Upper division: English 100A-100B, 6 units; English 130A-130B, 6 units; English 136A-136B, 6 units, unless equivalent work was completed in lower division. Six units from: English 101, 105, 106A, 106B, 177. Three units from: English 150, 151. Recommended: English 107, 3 units. (See Speech for English-Speech major.)

Minor: Twelve units, at least 6 of which must be upper division.

100A-100B Introduction to the English Language (3-3)

The structure of the English language as an instrument of communication. Second half: The history and philosophy of the English language.

101 The Classical Period (3)

English literature from the Restoration in 1660 up to the romantic revival. Restoration drama, Dryden, Pope, Johnson; rise of the novel and journalism.

104A-104B Comparative Literature and Fine Arts (3-3)

Survey of the humanistic-social heritage of civilization, with readings in the masterpieces of world literature, studied in relation to general cultural movements in thought and art, including music, drama, architecture, painting, sculpture, philosophy and religion. The Oriental and Classical Heritages. The Western Heritages from the Middle Ages to the modern world.

105 Contemporary Literature (3)

Readings in the literature of the twentieth century as representative directions of contemporary thought. Eliot, Lawrence, Auden, Spencer, Proust, Gide, Romains, Mann, Joyce, Kafka, O'Neill, Forster, Koestler, Malraux, Sholokov, and Sartre.

106A-106B Shakespeare and the Elizabethan Drama (3-3)

History of the English drama from the medieval period until the closing of the theatres in 1642. First semester: Development of the drama up to Shakespeare, with readings in his earlier contemporaries. Study of the chronicle plays and early comedies of Shakespeare. Second semester: The tragedies and later comedies of Shakespeare; the chief works of his later contemporaries and successors.

107 Advanced Composition (3)

Analysis of the patterns upon which exposition, narrative, description, drama and verse are organized, with practice in writing. The course will make some study of semantics and of the use and effect of different figures of speech.

108 Advanced Creative Writing (3)

A course designed to help students solve technical problems in chosen fields of imaginative writing and to assist them in developing the techniques of reading with skill, appreciation and critical insight to varied media of communication. Students are expected to work sincerely in the longer forms, such as the novel, developing their own ingenuity by undertaking a project which may be carried on throughout the semester; short critical reviews to train on critical philosophy. (Registration by approval of instructor.)

111 Vocabulary Building (3)

A review of the history of the languages that make up the English language; changes from early Anglo-Saxon days to the present in spelling, phonetics, and word meanings; laws of word formation; derivatives from Latin, Greek and Anglo-Saxon; a study of the dictionary and books on synonyms.

112 Children's Literature (3)

Prerequisite: English 1 and 2.

A survey of the literature available for children. The function of literature in the child's development, and social patterns usually transmitted through this medium. Practice in the skill of reading aloud and extemporaneous story-telling.

130A-130B American Literature (3-3)

A study of American letters up to the conclusion of the Civil War, or during the period of acceptance and gradual adaptation of European models. A survey of American literature from the beginning to 1860, and from 1860 to the present day; a study of the chief American writers, with special reference to the development of literary movements and types.

136A-136B Survey of English Literature—1500 to 1900 (3-3)**137 English Grammar Review for Teachers (2)**

A practical review of the more difficult problems in English grammar with emphasis on current usage. Some attention will be given to historical developments and to regional variations in language usage.

145 Semantic Disciplines (2)

A study of the complex problem of verbal communication; the use and misuse of word symbols; how to hear, read, write and think more effectively by the better use of words.

146 Phonetics (2)

An introduction to the science of American speech sounds. Application of phonetic principles to the teaching of speech and to the diagnosis and treatment of speech defects. Reading of transcriptions for practice in the use of International Phonetic Alphabet.

147 Techniques of Choral Speaking (2)

The selection, arrangement and presentation of poems for group speaking in classroom; application of choral speaking to speech improvement.

148 Lands and Peoples (2)

A course designed to aid teachers in selecting and evaluating the most worthwhile juvenile literature on foreign lands and peoples. Consideration will be given to contemporary world problems and social customs, with particular attention to the Far East.

150 Modern Drama (3)

Study of representative plays from the Continental, English, and American theatre from Ibsen to the contemporary age.

151 Biography (3)

Study of biography as a type of literature, with readings from representative biographies of various periods, especially the modern.

152 Modern Poetry (3)

The work and significance of major movements in English and American poetry since 1890, with consideration of the influence of Continental developments upon the course of modern poetry.

177 The Romantic Movement (3)

A study of romanticism in English literature, with attention to the influence of Continental romanticists including Rousseau, Goethe, Heine, Sand, Hugo, Chateaubriand, Pushkin. Readings in major works of Blake, Burns, Wordsworth, Coleridge, Shelley, Keats, Byron, and English romantic essayists.

200A-200B Seminar in Literary Criticism (2-2)

Study of principles of literary criticism with some practice in critical writing and analysis of great works of criticism from ancient times to the present.

201 Medieval Drama (2)

A detailed study of the development for English drama from its beginnings up to the Renaissance. The church plays, mystery plays, moralities, and interludes.

202 Bibliography and Research

Introduction to bibliographical method and survey of new developments and problems in the fields of English language and literature.

203 Seminar in the Epic (2-4)

Studies of selected folk and literary epics, with reference to problems of composition, criticism, and development as a type of literature. Two units credit in either the folk or the literary epic, or 4 units credit for both.

236A-236B American Literature (3-3)**FRENCH**

Minor: Required: (1) Lower division, French 1, 2, 3, and 4, 12-16 units; (2) Upper division: French 101A, 3 units; 101B, 3 units; 109A, 3 units; 109B, 3 units.

Recommended: History of Modern Europe, or equivalent, 6 units.

101A-101B Composition, Oral and Written (3-3)**109A Survey of French Literature and Culture (3)**

Prerequisite: French 1, 2, 3, and 4.

The Middle Ages, the Renaissance, and the seventeenth century.

109B Survey of French Literature and Culture (3)

Prerequisite: Course 109A.

The eighteenth, nineteenth, and twentieth centuries.

GEOGRAPHY

Minor: Twelve units, at least six of which must be in the upper division.

100 Principles of Geography (3)

Survey of the fundamental physical and cultural elements of geography. This course is designed for candidates for a teaching credential who have not taken lower division elements of geography or economic geography.

109 Geography of the Pacific Area (3)

Regional examination of the physical and cultural features of eastern Asia, Oceania, and the west coasts of the Americas; major stress upon geographic factors influencing contemporary events.

121 Geography of North America (3)

Study of the physical features of North America through analysis of the several geographic regions.

122 Geography of Hispanic America (3)

123 Geography of Europe (3)

Geographic conditions and their relation to the development and problems of Europe.

131 Geography of California (3)

Includes a study of the geographic conditions in the seven major provinces of California, utilization of resources, routes of communication, distribution of population, and such physical factors as climate, rails, and land forms.

161 Conservation of Natural Resources (3)

The general principles of conservation and their application to soils, minerals, and other natural resources.

181 Political Geography (3)

Principles and selected problems.

GEOLOGY

Minor: Twelve units, at least six of which must be upper division.

101 Principles of Geology (3)

A survey of the principles of physical and historical geology.

102 Physiography (3)

A study of the surface features of the earth and their meaning.

103 Geology of the National Parks (3)

Our national parks, with a few exceptions, are outstanding examples of geologic phenomena. This course is designed to show how each example was developed.

GERMAN

Minor: Required: (1) Lower division: German 1, 2, 3, and 4, 16 units. (2) Upper division, German 101A, 101B, 6 units.

101A-101B Conversation and Composition (3-3)

Prerequisite: German 4 or equivalent with a grade of at least "C."

118 The German Lyric (2)

Prerequisite: Two years of college German, or consent of the instructor.
A survey from 1750 to 1949.

HISTORY

Major: Required, lower division: (1) United States history, 6 units; European history, 6 units; select 6 units from political science (introduction to government), principles of economics; (2) Upper division: One year course in American history, 6 units; one year course in Old-world history, 6 units; select 9 units from other history courses.

Recommended: Six units in an allied field: Geography, economics, philosophy, political science, sociology.

Minor: Twelve units, at least six of which must be upper division.

111A-111B Ancient History (3-3)

Ancient Greece and Rome to the reign of Constantine.

112A-112B The Middle Ages (3-3)

Europe from the fall of the Roman Empire to the fifteenth century, emphasizing contributions to the modern era.

113A-113B British People in Modern Times (3-3)

Political, economic, and cultural progress of the British people from the late fifteenth century until today. The semesters are divided at 1783.

145 Europe From the Middle Ages to the Nineteenth Century (3)

Survey of Europe from the Reformation to Waterloo; politics, society, and institutions.

146 Europe in the Nineteenth Century (3)

From the Congress of Vienna to World War I, with special stresses on the rise of nationalism.

147 Recent European History (3)

The course of Europe in the twentieth century; political, military, economic, and social developments from the inception of World War I to the present.

150 Diplomatic History of the United States (3)

Survey of the foreign relations of the United States, with special attention to recent diplomacy and diplomatic problems.

161A-161B Hispanic America (3-3)

Historical survey of the Americas south of the United States; main currents in their national, economic, and social evaluation to the present.

162 Eastern Europe (3)

Russia and the Balkans; their internal and international history in the nineteenth and twentieth centuries.

172 The United States: The Colonial Period (3)

History of the Thirteen Colonies from their European origins to the completion of American independence.

173 The United States: The Nineteenth Century (3)

Study of the evolution of the American nation and people from Jefferson's administration to 1898; particular emphasis upon the Civil War.

174 Recent United States History (3)

Political, economic, and social history of the United States in the twentieth century.

178 Economic History of the United States (3)

A survey of American economic development and of national legislation in the fields of industry and commerce.

181 The Westward Movement and the West (3)

Study of the advance of the American frontier and analysis of the features and characteristics of the West.

188 History of California (3)

The social, economic, and political development of California from Spanish times to the present, with emphasis upon current characteristics and trends.

190 History of the Pacific Area (3)

Synthesis of the historical development of eastern Asia, Oceania, and the American lands bordering the Pacific; special attention to the role of the United States and to current problems.

199 Historiography (2)

The intellectual processes by which history is written; sources and development of history; a study of representative historians.

ITALIAN

103A-103B Survey of Italian Literature (3-3)

JOURNALISM

116A-116B Newspaper Organization and Management (2-2)

184 Newspaper Advertising (2)

Functions and methods of operating the advertising department of a newspaper. Emphasis is given to the writing of copy and making layouts.

LAW

Prelegal curriculum: The entrance requirements of the law college to which the student expects to transfer should be consulted before undertaking upper division work. Advisers will assist students in determining a major to meet the requirements of the law college selected.

103 Real Estate and Property (3)

First course in principles of property ownership and management in their business aspects. Special reference to the law of California as it applies to community property, conveyancing, deeds, trust deeds, mortgages, leases, etc.

107 Negotiable Instruments (2)

First course in the use of checks, notes, and other types of negotiable instruments as they are involved in the fields of banking, finance, collections, accounting, and elsewhere in the business world. Banking regulations concerning checks, liability of parties, etc.

118A-118B Commercial Law (3-3)

MATHEMATICS

Major: Required: (1) Lower division: Trigonometry, 3 units (or equivalent); college algebra, 3 units; analytic geometry, 3 units; first course in calculus, 3 units; second course in calculus, 3 units; third course in calculus, 3 units. (2) Upper division: Mathematics 108, 3 units; Mathematics 114, 2 units; Mathematics 115, 2 units; Mathematics 121, 3 units; 8 units in related subjects in other departments upon approval of an adviser. (Related fields: Commerce, engineering, astronomy, physics.)

108 Theory of Algebraic Equations (3)

Prerequisite: L. A. C. C. Math. 11.

An introduction to upper division mathematics, especially for those who look forward to secondary teaching. Required for a mathematics major at most institutions.

114 Vectors and Allied Topics (2)

Prerequisite: May be taken only in conjunction with, or subsequent to L. A. C. C. Math. 11.

Not open to students who have had L. A. C. C. Math 14

The selection of topics for this course is made upon the basis of their usefulness in applications. They include: Empirical equations, trigonometric series, least squares, complex numbers, and the elements of vector theory.

115 Differential Equations and Applications (2)

Prerequisite: May be taken only in conjunction with, or subsequent to L. A. C. C. Math. 12.

A study of the simpler types of differential equations, with major emphasis on their applications in the sciences. Attention is given to the actual setting up of differential equations representing significant problems in physics, chemistry, electrical theory, etc.

121 Advanced Calculus (3)

Prerequisite: L. A. C. C. Math. 12.

Should be taken by all who expect to do graduate work in mathematics or physics.

197 Secondary School Mathematics (3)

A course in practicable methods designed for and required of all students doing directed teaching in mathematics.

MUSIC

Participation in one of the student musical organizations maintained by the music department is required as a part of each semester's work. These organizations include the a cappella choir, orchestra, band and various instrumental and vocal ensembles.

All music majors are required to play the piano well enough to play Bach Chorales or the simpler of the "Songs Without Words" of Mendelssohn. Students who do not play the piano are required to take four semesters of piano, or until the piano minor examination can be passed satisfactorily. Majors on other instruments who have some pianistic ability may be excused from the piano requirement after passing the piano minor examination.

Major: (Without teaching credential) Required: (1) Lower division: musicianship, 6 units; harmony, 12 units; music history, 6 units; music major (instrument or voice), 4 units; music activity, 2 units; beginning voice, 2 units. (2) Upper division: Music 158A-B, 163A-B, 161A, 162A, 160A-B, 159B. Select three courses from Music 131B, 132B, 140A-B, 172A-B-C-D, 4 units. Music major (applied music), 4 units.

Major: General Secondary Credential. Required: (1) Lower division: musicianship, harmony, advanced sight singing, 18 units; music history and appreciation, 6 units; beginning voice, 2 units; music major (applied music), 4 units; music activity, 2 units. (2) Upper division: Music 105A-B-C-D-E, 158A-B, 159B, 160A-B, 161A, 162A, 163A-B.

Major: Special Secondary in Music. Required: (1) Lower division: musicianship, harmony, and advanced sight singing, 18 units; beginning voice, 4 units; beginning piano, 4 units; beginning strings, reeds, brass, and percussion instruments, 4 units; music history and appreciation, 6 units. (2) Upper division: Music 138, 158A-B, 159B, 160A, 161A, 162A, 163A-B.

Minor: Competence in musicianship, harmony, piano, and voice is required with a total of 12 units of work, of which 6 units must be in upper division credit. The work is to be distributed as follows: Music history and literature, 6 units; orchestration, 2 units; choral and instrumental conducting, 4 units.

101 Double Mixed Quartet (1)**103 Elementary School Music (2)**

A survey of public school music. Aims and procedures of teaching music in elementary and primary grades. Audio-visual methods and materials appropriate in music. Study of the fundamentals of music for general elementary and kindergarten-primary credential candidates.

104 Song Embellishment for Upper Elementary Grades (2)

A study of rhythms, dances and use of instruments to relate music to social study activities in the upper grades.

105A-105B Stringed Instruments (1-1)

Elementary instruction in violin, viola, cello, and bass. Problems of tone production, right and left hand technique. Participation in beginning orchestra.

105C Brass Instruments (1)

Elementary class instruction in brass instruments. Correct embouchure, tone production. Participation in beginning band or orchestra.

105D Woodwind (1)

Elementary class instruction in woodwind instruments. Correct embouchure, tone production. Participation in beginning band or orchestra.

105E Percussion (1)

Essential rudiments for snare drum. Tuning and beginning technique on tympani. Introduction to other essential percussion instruments.

106A-106B Advanced Brass Instruments (1-1)

Advanced class instruction in brass instruments. Problems of embouchure, technique, intonation, tone and style. Individual study and interpretation of solo literature.

107A-107B Advanced Woodwind Instruments (1-1)

Advanced class instruction in woodwind instruments. Problems of embouchure, technique, intonation, tone and style. Individual study and interpretation of solo literature.

108A-108B Elementary Ear-Training and Sight-Singing (2-2)

A study of major and minor scales, intervals and simple rhythms, and also a performance of simple melodies.

109A-109B Elementary Voice (2-2)

A study of the technique of vocal production and an application of this technique in simple songs.

110A-110B Intermediate Voice (2-2)

Continuation of technical study and the learning of a wide repertory of songs.

111A-111B Elementary Piano for Teachers (2-2)

Simple technique involving major and minor scales and arpeggios, and the performance of a simple repertory.

112A-112B Piano Study for Teachers (2-2)

Elements of technique and music reading for prospective teachers of music. Continuation of Music 111A-111B. (Limited to 16 students.)

113A-113B Beginning Harmony for Teachers (2-2)

Includes study of written and aural harmony, dictation and analysis, with keyboard applications.

115A, B, C, D Band (1)***119A-119B Advanced Ear-Training, Sight-Singing and Dictation (2-2)**

Prerequisite: Elementary ear-training and sight-singing, or equivalent.

A performance of moderate and difficult melodies, and the writing of simple and moderately difficult melodies in two, three and four parts.

126 Kindergarten-Primary Music (2)

Consideration of music in relation to the growth needs of children; available music texts and song repertory; rhythms, rhythm bands and dramatic play.

127A-127B String Ensemble (1-1)

A course for the advanced student designed to develop proficiency in playing with others. Selection of appropriate music for public performance.

***130A-130B Advanced Voice (2-2)**

The study of art-song, opera, and oratorio and the problems involved in their performance.

131A Music of the Romantic Era (2)

A study of the significant musical works of the nineteenth century romantic composers, including Schubert, Mendelssohn, Schumann, Brahms, Tschaiikowsky, and others.

131B Contemporary Music (2)

A study of the compositions and techniques of some significant twentieth century composers including Stravinsky, Schoenberg, Hindemith, and others. Attention to neo-classicism, expressionism, atonality, polytonality, twelve-tone technique, and so forth.

132A French and Italian Opera (2)

A study of the principal operatic works of Verdi, Rossini, Puccini, Bizet, Massenet, Berlioz, and others.

132B Advanced Music History (2)**133 Dance Band Arranging (2)****134 Dance Band (1-1)****135A, B, C, D Orchestra (1)****138 Instrumental Music Methods (2)****140A-140B Music Literature and Criticism (2-2)**

A survey of the various periods of music history through the use of scores and recordings.

148A-148B Intermediate Piano (2-2)

Moderate technique and the performance of a large repertory of standard piano literature.

154 Music Appreciation (2)

A study of the classical, romantic, and modern music suitable for use in the elementary school.

155A-155B A Cappella Choir (1-1)

The study and performance of standard choral works.

158A-158B Music Theory and Composition (3-3)

Prerequisite: Consent of instructor.

A review of diatonic harmony; melodic and harmonic dictation; chromatic alteration; and practical application to composition in elementary forms.

159A-159B Form and Analysis (2-2)

Analysis of form in homophonic and polyphonic music.

160A-160B Orchestration and Arranging (2-2)

The theory and practice of writing for instrumental ensembles. The study of orchestral scores and an introduction to symphonic orchestration.

161A-161B Choral Conducting (2-2)

Principles of choral conducting; problems of choral organization.

162A-162B Instrumental Conducting (2-2)

The theory and practice of conducting instrumental organizations.

163A-163B Advanced Counterpoint (2-2)

Eighteenth century counterpoint in two, three and more parts. Invertible counterpoint, canon and fugue.

166 Music Production for Radio and Cinema (2)

A study of practical problems of composition and orchestration for radio and movies.

167 History and Literature of the Symphony Orchestra (2)

A study of the classical, romantic and modern symphonies, from electrical transcriptions; the evolution of the modern symphony orchestra.

***168A-168B Composition (2-2)**

Prerequisite: Music 158A-B or equivalent.

***169A-169B Harmonic Analysis (2-2)**

Study of harmonic styles of various composers and an analysis of the symphonies of Beethoven, Brahms and Tschalkowsky through scores and recordings. May be taken concurrently or following Music 158A-B.

171A-171B Opera Workshop (1-1)

The study of the problems of presenting opera; and the performance of typical operatic ensembles and scenes. Open to qualified singers.

***172A History and Literature of Chamber Music (2)**

A study of the string quartets, quintets, trios, and various other works for small groups selected from the great works of the eighteenth, nineteenth, and twentieth centuries.

***172B History and Literature of the Larger Choral Works (2)**

Study of typical oratorios, masses, and other large choral works by means of scores and recordings.

***172C Art-Song Literature (2)**

A study of the representative selections for the great art-songs of past and present.

***172D Introduction to Musicology (2)**

A study of the elements of research in arts and letters in relation to music culture.

***172E Operatic Literature (2)**

A study of the scores and recordings of several important and complete operas, for the purpose of understanding the problems of operatic construction, meaning and style.

***173 Keyboard Harmony (2)**

(May be taken in place of intermediate piano, second semester.)

A study of chord progressions, modulation and transposition. Harmonization of melodies at sight.

174A-174B Advanced Piano (2-2)

Advanced technique and performance of several large and difficult works of various styles.

200 Problems in Instrumental Introduction (2)

Open only to advanced students. A consideration of problems in teaching and supervising instrumental music.

201 Trends in Contemporary Music (2)

A study of twentieth century composers and their works as related to the works of earlier composers.

203A-203B Advanced Composition and Analysis (2-2)

Free composition in all the vocal and instrumental forms.

204A-204B Advanced Orchestration and Arranging (2-2)

Specialized work in arranging for ensembles including the symphonic band and standard symphony orchestra.

205 Advanced Voice Problems and Repertory (2)

Application of the principles of singing and voice production through the study of standard song literature.

206A, B, C, D Advanced Orchestral Instruments (2)

String, woodwind and brass ensemble instruction for qualified students.

207A-207B Advanced Private Instruction in Piano, Voice, and Orchestral Instruments (2-2)

Private instruction with approved specialists for students majoring in applied music courses. Special fee.

208A-208B Advanced Instrumental and Choral Conducting (2-2)

Practical training for students who have had considerable study and experience with instrumental organizations and choral groups.

NATURE STUDY**118 Everyday Nature (3)**

The urban environment: Living things of the town and city—everyday trees, weeds, garden plants, mammals, birds, invertebrates; microclimates and soils; use of the environment in classroom and field study; facilities, resources, materials of the urban areas including parks, museums, industry, hobbyists. For elementary and secondary teachers; recreation leaders; cultural understanding.

Two hours of lecture; 2 hours of laboratory and field.

120 Nature Study (3)

Lecture, 2 hours; laboratory, 3 hours (i.e., demonstration or field).

The California environment of animal and plant communities in climatic-geographic setting and the effect of biological associates upon human economy and culture. This is a content and orientation course designed to aid prospective teachers in developing practical ways of presenting science material.

NURSING

Major: Required: (1) English composition and rhetoric, 6 units; hygiene, 2 units; general psychology, 3 units; introduction to sociology, 6 units; general applied chemistry, general microbiology, 4 units; elements of public sanitation, 1 unit; general human anatomy, 5 units; United States history and American Institutions, 6 units; general physiology, 5 units; foods and nutrition, 3 units; history of nursing, 3 units. (2) Two and one-half years' residence in the hospital and enrollment in the following courses: Pharmacology, 2 units; Nursing Arts 1 and 2, 8 units; Mathematics 49, 3 units; Home Economics 34, 3 units; Nursing 100A, 1 unit; Nursing 100B, 2 units; Nursing 101, 5 units; Nursing 102, 5 units; Nursing 103, 4 units; Nursing 104, 2 units; Nursing 105, 2 units; Nursing 106, 1 unit; Nursing 107, 3 units; Nursing 108, 3 units; Nursing 110, 2 units; Education 102, 2 units; Psychology 110, 3 units. (3) Last semester at the college and the completion of Nursing 111, 2 units; Education 110, 2 units; Sociology 103, 3 units; elective in English, 3 units; general electives, 6 units.

Minor: Psychology. Twelve units, at least 6 of which are upper division.

110 Community Nursing (2)

111 Principles of Nursing Education (2)

PHILOSOPHY

100 Types and Problems (3)

An examination of the current systems of philosophy such as materialism, naturalism, idealism, pragmatism and realism. Considerable attention is given to certain major problems, including the following: space-time and relativity, the relationship of science to philosophy, human freedom, the nature of knowledge, ethics, aesthetics, belief in God and the implications of philosophy for the contemporary social scene. An orientation course for mature students. No prerequisite.

104 Ethics (3)

Prerequisites: 9 units from Anthropology 1, Sociology 1, 2, Economics 1, 2, Political Science 3, 4, Psychology 21, 22, Philosophy 20, 21.

Morality in theory and practice—the history and development of ethical theory.

121 Political Philosophy (3)

Prerequisite: Consent of instructor.

A study of the development of government, showing its relation to the development of science or philosophy, and its issue in present day form.

PHYSICAL EDUCATION—RECREATION

Students in physical education and recreation will be expected to participate in at least one organized student activity each semester. Qualifying examinations in sports knowledges and skills will be given to all students during their junior year.

PHYSICAL EDUCATION

Major: General Secondary Credential. Required: (1) Lower division: physical education activities: men, 4½ units, women, 3 units; physical education theory, men, 6 units, women, 11 units; directed observation, 2 units; anatomy, 3 units; physiology, 3 units. (2) Upper division: men and women: Physical Education 138, 139, 145A-B, 153, 155, 167; men: Physical Education 157, 168, 6 units from 133M, 134M, 135M, 142M, 166; women: Physical Education 124, 140W, 143W, 147W.

Major: Special Secondary Credential. Required: (1) Lower division: physical education activities, men, 4½ units, women, 3 units; physical education theory, men, 6 units, women, 11 units; directed observation, 2 units; anatomy, 3 units; physiology, 3 units; (2) Upper division: physical education activities, men, 2 units, women, 1 unit; men and women: 124, 138, 139, 145A-B, 153, 155, 156, 157, 160A-B, 167, 168; men: 133M, 134M, 142M, 166; women: 140W, 141W, 143W, 147W.

Minor: Twelve units of theory, at least 6 of which must be in upper division.

RECREATION

Major: Without teaching credential. Required: (1) Lower division: English, 6 units; speech, 6 units; science, 6 units; physical education activities, 4 units; drama, 6 units; music, 3 units; health, 2 units; home economics, 2 units; physical education-recreation theory, 12 units; directed observation and participation, 2 units. (2) Upper division: Physical Education-Recreation courses 102, 103, 104, 105, 106, 107, 122A-B, 124A-B, 125, 150, 151, 152; psychology, 8 units; science, 6 units; music, 2 units; art, 2 units; English, 2 units; education, 5 units; accounting, 2 units.

Minor: Twelve units of theory, at least 6 of which must be in upper division.

100 Elementary School Games, Sport Skills and Rhythms (3)

Content and skill training will be especially adapted to the needs of elementary teachers.

101 Principles of Community Recreation (2)

General principles of organization and promotion of leisure time and recreation activities. A study of city, county, state, and national recreation organizations; construction, equipment, and organization of the playground program.

102 Festivals and Pageants (2)

History and scope of festivals; stage construction and techniques, stage-grouping and stage productions.

103 Social Recreation Leadership (2)

Co-educational activities that are suited for the various age levels, emphasis being placed on adult activities.

104 Art and Handcraft in Recreation (2)

An elementary course in the various types of handiwork to be found upon the recreational scene.

105 Public Relations in Recreation (2)

Methods, techniques and materials that should be used to promote interest, attendance, and participation in private and public recreation.

106 School Camping and Outdoor Education (2)

The principles, techniques, and procedures now being used in organizing and administering outdoor education in camps under the jurisdiction of the public schools.

107 Industrial Recreation (2)

The organization and administration of leisure-time activities for and by employees in mercantile and industrial establishments.

122A-122B Directed Observation and Participation in Recreation (1-1)

Provides the student with the opportunity to investigate and participate in recreational programs administered by public and private agencies.

123 Games of Low Organization (2)

Content, techniques and practice in teaching games, relays, stunts and rhythms suitable for all ages.

124A Directed Teaching in Private Recreation Agencies (4)

Supervised experience in directing recreational programs in private agencies.

124B Directed Teaching in Public Recreation Agencies (4)

Supervised experience in directing recreational programs in public agencies.

125 Square and Round Dancing (2)

Theory and practice in the techniques of square and round dances. Some training in calling these dances will be provided.

133M Methods of Coaching Football and Basketball (3)

Techniques used in coaching football and basketball. Practice in coaching these sports including conditioning methods.

134M Methods of Coaching Track and Field and Baseball (3)

Techniques used in coaching track and field and baseball. Practice in coaching these sports including conditioning methods.

135M Methods of Coaching Tennis and Swimming (3)

Techniques used in coaching tennis and swimming. Practice in coaching these sports including conditioning methods.

138 Kinesiology (Applied Anatomy) (2)

Prerequisite: Biology or zoology; anatomy and physiology.

A study of the principal types of muscular exercises and their reaction on the various parts of the body.

139 Applied Physiology (2)

Prerequisite: Physical Education 138.

A study of the effect of physical exercise, and so forth, upon circulation, respiration, and other physiological processes.

140W Dance Composition and Production (2)

Prerequisite: Physical Education W12, 13, 14, and 15.

History of the dance; practice in techniques of composition and production, including costuming, lighting and selection of music.

141W Methods of Coaching Basketball, Tennis, and Field Hockey (3)

Principles, methods and techniques used in coaching and conditioning players for these sports.

142M Methods of Sports Officiating (2)

Theory and practice of officiating football, basketball, track and field, baseball, tennis and swimming.

143W Methods of Sports Officiating (2)

Theory and practice of officiating basketball, tennis, field hockey, and softball.

145A-145B History and Principles of Physical Education (2-2)

Development of physical education principles and institutions with reference to their bearing on present day physical education problems. The implication of organic, neuro-muscular, emotional and intellectual developmental objectives in physical education.

147W Techniques of Teaching the Modern Dance (2)

Modern dance techniques and teaching procedures; methods and materials for dance accompaniment.

150 Philosophy of Leisure (2)

Historical implications of amounts of leisure. Contrast of historical viewpoint relative to free time. Leisure's use and need in political and social ideologies.

151 Community Organization for Recreation (2)

Contributions of the various private, municipal, state and national organizations to recreation for all ages. Procedures for coordination of recreational agencies in a community.

152 Administration of Recreation (2)

Principles and best practices of administering private, municipal, county, state, industrial and commercial programs. Preparation of budgets, laws related to recreation, promotion techniques, standards for selection and licensing and training of personnel.

153 Methods of Physical Education (4)

Prerequisite: Senior standing.

An advanced course in the technique of teaching classes in physical education.

155 Administration of Health Education (2)

The organization and content necessary for meeting the health needs of the elementary and secondary school child.

156 Supervision of Physical Education and Health (2)

The techniques necessary to guide and upgrade the instructional programs of physical education and health. Special attention will be devoted to the elementary school level.

157 Safety Education and Athletic Injuries (3)

Content and materials necessary for program of home, school, traffic and athletic safety. The laboratory periods will be devoted to practice in the care of all injuries, especially athletic.

160A-160B Directed Observation and Participation in Physical Education (1-1)

Course provides an opportunity for students to investigate and participate in the administering of programs in physical education and health.

166 Organization and Administration of Physical Education and Athletics (2)

Planning and constructing the gymnasium as an athletic plant; arrangement and care of equipment; care and administration of courts, fields, buildings; organization of staff, programs and schedules.

167 Principles of Corrective Physical Education (2)

Prerequisite: Physical Education 138.

Group and school class procedure in the administration of individual exercise for the correction of various functional disorders and structural defects.

168 Tests and Measurements in Physical Education (2)

Anthropometrical tests and measurements; functional tests, achievement tests, their interpretation and uses in the physical education department.

169 Seminar in Physical Education and Health (2)

Analysis of the problems of physical and health education as they relate to classification of individuals and activities. Organization of camping activities; character education.

175 The Dance in Community Recreation (2)

A course especially organized for the in-service training of municipal directors. Includes techniques, skills and teaching experiences in square and round dances.

POLICE SCIENCE**100 Introduction to Police Work (3)****101A-101B Elementary and Advanced Criminal Law (3-3)****102A-102B Radio Car Patrol (1-1)****105 Police Administration (3)****POLITICAL SCIENCE**

Major: Required: (1) Lower division: Introduction to government, 6 units; and 6 units selected from introductory courses in anthropology, sociology, economics, geography, history or philosophy; (2) Upper division, 24 units, 6 of which may be taken in approved courses in business administration, economics, geography, history, philosophy, psychology or sociology.

Minors: Twelve units, at least 6 of which must be upper division.

100 Introduction to Government (3)

The principles and problems of government; not open to students who have completed the lower division requirement in political science.

101 American Institutions (2)

The American constitutional system and the ideals upon which it is based. This course satisfies the American Institutions requirement.

103 State and Local Government (3)

The structure, functioning, and relationship of state and local government, with special reference to California.

112 Political Theory (3)

Exposition and analysis of modern political ideas, with emphasis upon American views.

114 Public Opinion (2)

Nature of public opinion and methods of influencing it. Pressure groups, political parties, press, radio; government and the formation of public opinion.

121 Introduction to City Planning (3)

Functions and administrative structure of city and regional planning departments. Composition and requisites of planning staffs. Zoning; subdivision regulation; master planning. Economic, legal, aesthetic, social considerations in program formulation and execution.

127A-127B International Relations (3-3)

An introduction to the study of international relations, international organizations, the development and status of the law of nations, and the forces and motives which particularly influence international politics; special attention to the United Nations and current international affairs.

143A-143B Public Administration (3-3)

The principles and practices of public administration in the United States, including organization processes and problems.

145 American Political Parties and Politics (2)

Study of the origin, development, organization, and activities of the principal American political parties.

150A-150B Comparative Government (3-3)

Analytical study of political institutions, problems, and trends in certain foreign states, including the United Kingdom, Soviet Russia, and others selected for examination by the instructor.

157A-157B Constitutional Law (3-3)

Principles of constitutional law; powers of the federal and state governments; rights of the individual under the American constitutional system.

172 Municipal Government (3)

Study of the modern municipality in the United States, including types, problems, legal aspects, and relationships with other governmental units.

180 Principles of Management for Supervisors (2)

Prerequisite: Consent of the instructor.

PSYCHOLOGY

Major: Required: (1) Lower division: General psychology, 3 units; physiological psychology, 3 units; personal and social adjustment, 3 units. (2) Upper division: Psychology 110, 114, 120A-B, 126, 164, and 145. Majors in industrial psychology, select 9 units from Psychology 130, 156, and 180 in addition to courses listed under 1 and 2 above. Majors in clinical psychology select 9 units from Psychology 127, 154 and 160 in addition to courses listed under 1 and 2 above.

Minor: Twelve units, at least 6 of which must be in upper division.

100 Survey of Psychology (3)

No prerequisite.

The facts and principles pertinent to everyday life are stressed. This course traces the development of behavior from the infant through the subsequent development of adult modes of response, such as emotion, attention, habit, thinking, and the nature and development of personality. Not open to students who have had Psychology 21.

101 Applied Psychology (2)

Prerequisite: Psychology 21 or 100.

A systematic discussion of problems, methods, and typical results of psychology as applied in the fields of medicine, law, education, and business.

102 Psychology of the Handicapped (2)**108 Mental Hygiene (2)**

Prerequisite: Psychology 21 or 100.

A general survey of the principles of mental hygiene. A study of social and emotional adjustment and personality in the light of principles of mental hygiene. Adjustment problems of the college student.

110 Abnormal Psychology (3)

Prerequisite: Psychology 21 or 100.

Historical overview of abnormal psychology; criteria of abnormal and normal behavior; symptomatology; disturbing forces in personality formation; therapeutic considerations. Emphasis will be placed on the dynamic factors rather than description as such.

112 Child Psychology (2)

Prerequisite: Psychology 21 or 100.

The psychological development of the child from infancy to adolescence. Effects of the school and out-of-school activities on development. Consideration of the environment and parent-child relationships in general.

113 Psychology of Adolescence (3)

Analysis and interpretation of data regarding growth and development. Psychological aspects of learning. Characteristics of normal adolescent children. Deviation from the normal. Practical implications for meeting the needs of adolescents.

114 Experimental Psychology (3)

Prerequisite: Psychology 21 or 100.

Experiments on reaction tendencies, skill, perception, learning, and problem solving.

120A-120B Principles and Applications of Psychological Measurement (3-3)

First semester: Principles of statistical treatment and interpretation of psychological data. Second semester: Applications of tests and other techniques in the measurement of psychological functions.

126 Contemporary Schools of Psychology (3)

Readings and discussions of the literature in the field.

127 Psychological Testing (3)**130 Psychology of Personality (3)****134 Genetic Psychology (2)**

Prerequisite: Psychology 21 or 100.

This course presents the facts of human development. Topics considered are: Physical development, particularly with reference to the development of the nervous system; inheritance of mental traits, innate tendencies, their characteristics, description, and modification; play; mental states; moral and religious development; development of personality.

145 Social Psychology (3)

Psychological nature of society, its functions; social groups; social controls; social status; social change.

146 Criminal and Legal Psychology (3)

Prerequisite: Psychology 21 or 100.

Psychological factors in the determination of reliability of testimony; the technique of detecting crime and falsehood; the relation of crime to mental disease or defect; the prevention of crime through environmental factors and heredity.

147 Psychology of Public Opinion (2)

Prerequisite: Psychology 21 or 100.

The influence of imitation, suggestions, transfer of emotions, postural set, and defense mechanisms on public attitudes. Psychological factors in leadership and morale.

154 Introduction to Clinical (3)**156 Industrial Psychology (3)**

An introductory course dealing with the application of psychological techniques in modern industry. Application of these techniques to selection, training and evaluation of employees, to morale and promotion of employees, to problems of fatigue, to safety practices, and to the problem employee.

160 Counseling and Interviewing (3)**164 Psychology of Learning (3)**

Theories of learning and thinking.

180 Problems in Industrial Psychology (3)**181 Vocational and Employment Psychology (3)**

Psychology of individual differences in intelligence, aptitudes, interests, and training with special reference to vocational guidance and personnel methods in education and industry.

SOCIAL SCIENCE

Major: Required: (1) Lower division: United States history, 6 units; European history, 6 units; political science, 6 units; principles of economics, 6 units. (2) Upper division: Select 24 units from economics, history, and political science approved by an adviser.

Recommended: Anthropology, geography, sociology, and philosophy.

Minor: Twelve units, at least six of which must be in the upper division.

See Economics, History, and Political Science for course descriptions.

SOCIOLOGY

Major: Required: (1) Lower division: Introduction to sociology, 6 units; or introduction to sociology, 3 units, and general anthropology, 3 units; principles of economics, 6 units; general psychology, 3 units; political science, 3 units. (2) Upper division: Sociology 102, 108, 110, 115, 145, 150, 156, and 12 units of electives from the field of sociology.

100 Fundamentals of Sociology (3)

Survey of major concepts of sociology. The basic principles for understanding social relationships. Scientific methods of dealing with social phenomena.

102 Social Problems (3)

A study of the major social problems in American life, emphasizing their causes and possible solutions. The problems to be considered include alcoholism, rural-urban disorganization, marriage and family problems with special reference to divorce, housing and sanitation, nutrition and health, problems in the field of education, population problems, and problems related to caring for the mentally ill.

103 The Family (3)

The family as a major social institution; its evolution through primitive, ancient, and modern times. Recent social changes affecting the family; its relationship to industry, school, church, and state. Processes of family conflict and family disorganization.

108 Introduction to Social Research (3)

Analysis of the more important techniques used in sociological research. Methods of collecting, classifying, interpreting, and presenting social statistical data. Case studies of typical research monographs.

110 Urban Sociology (3)

A study of urbanization from the standpoint of its impact upon personality. The structure of the modern city and the social problems which evolve from the organization of the metropolitan area. The influence of urban environment on human behavior.

111 Rural Sociology (3)

A survey of the conditions of present day rural life. Social problems involved. Trends in housing, recreation, communication, health.

115 Social Anthropology (3)

A comparative analysis of the social institutions of nonliterate peoples. Family structure and kinship systems; economic, political, and religious organizations. Differing roles based on status, sex, and age will be described and analyzed for specific groups.

145 Social Psychology (3)

Study of social interaction and its effects upon the individual. The process of socialization. Relation of personality to society and culture. Analysis of forms of mass behavior such as crowds, fashion, public opinion, propaganda and conflict.

148 Juvenile Delinquency (3)

Extent and distribution with emphasis on the local area. Meaning and implications of delinquency. Personal and environmental conditioning factors. Survey of programs of control and treatment.

150 Population Problems (3)

An analysis of the causes and consequences of major population trends throughout the world; of changes in birth and death rates, sex ratio, age distribution, race and nationality composition, population density; immigration and its restriction; optimum population.

155 Criminology (3)

A study of the conditioning factors in crime. Programs of treatment and prevention. Probation, parole, penal institutions. Changing attitudes and trends.

156 The Field of Social Work (3)

The history, philosophy, and underlying principles of modern social work; the major types of social work; public and private welfare agencies.

170 Marriage and Modern Family (3)

Social, psychological and organic factors influencing marital relationships. The family as a social institution; its function and history; the relation of parent and child.

SPANISH

Major: Required: (1) Spanish 1, 2, 3 and 4, 16 units; (2) Upper division: Spanish 116A, 116B, 6 units; 102A, 102B, 6 units; 103A, 103B, 6 units; 6 units Spanish electives. Four units of upper division work from another language may be substituted for elective credits.

Minor: Spanish 1, 2, 3, and 4, 16 units; and 12 units of upper division Spanish.

101A-101B Advanced Composition and Conversation (3-3)

Prerequisite: 16 units of lower division Spanish or equivalent.

102A-102B Survey of Spanish Literature to 1800 (3-3)

Prerequisite: 16 units of lower division Spanish or equivalent.

The history of Spanish literature with interpretation of selections from representative authors. Lectures, readings, and reports. Conducted in Spanish.

103A-103B Nineteenth Century Spanish Literature (3-3)

Prerequisite: 16 units of lower division Spanish or equivalent.

A general survey of the literature of the nineteenth century. Lectures, readings, and reports. Conducted in Spanish.

104A-104B Survey of Spanish-American Literature (3-3)

Prerequisite: 16 units of lower division Spanish or equivalent.

Masterpieces of the literature of Spanish America from colonial times until the present. Lectures, readings, and reports. Conducted in Spanish.

116A-116B Advanced Composition (3-3)

Prerequisite: 16 units of lower division Spanish or equivalent.

199A-199B Special Studies in Spanish (1-3; 1-3)

Prerequisite: Senior standing, at least 10 units of upper division Spanish, and the consent of the instructor in the field selected for special study.

SPEECH

Major: English-speech may be combined into a major. Required: (1) Lower division: English composition and rhetoric, 6 units; survey of English literature, 6 units; public speaking, 6 units. (2) Upper division: English 100A, 100B, 6 units; 130A, 130B, 6 units; Speech 122, 3 units; Speech 110, 3 units; Speech 113, 3 units; select 3 units from English 101, 105, 106A, 106B, 177. Students who have not had a year course in public speaking will be required to take Speech 100, 3 units.

Minor: Twelve units, at least six of which must be in upper division courses.

100 Fundamentals of Expression (3)

Open to students who have not had one year of public speaking credit.

101 Speech and Drama for Kindergarten, Primary and Elementary Teachers (2)

Dramatics for kindergarten, primary and elementary teachers. Also for scout leaders and playground supervisors. The course covers creative dramatics, puppetry, cutout shadow plays, choral reading and the creative dance. All these activities are built around units of study.

104 Principles and Types of Group Discussion (3)

Analysis of the purposes, principles, and types of public discussion. Practice in organizing, conducting, and participating in various types of group discussion.

105 Argumentation and Debate (3)

Prerequisites: One year of speech or Speech 100, or principles and types of group discussion.

Introduction to forms of argument, analysis of propositions, obtaining and organizing evidence, tests of evidence, construction and use of the brief, and participation in formal and informal debates.

110 Oral Interpretation (3)

Prerequisite: One year of speech or Speech 100.

The oral interpretation of literary selections in both poetry and prose. Attention will be given to both vocal interpretation and stage bearing. Opportunity will be provided for individual and group creative work.

111 Speech Improvement for Teachers (2)

Basic functions of the vocal mechanism in relation to speech correction; correction of common defects such as indistinct pronunciation, poor diction, lack of projection, sibilancy, lisping, negative speech, and voice inadequacies; phrasing and word values; practice by class exercises and individual criticism and correction.

112 Advanced Public Speaking (3)

Prerequisite: One year of speech or Speech 100.

Practice in extemporaneous speaking; preparation of the occasional address.

113 Interpretation of Literature (3)

Prerequisite: Speech 110.

The understanding and appreciation of literature and training in the oral communication of various literary types.

114 Effective Speaking for Executives (2)

A practical course for businessmen and women who desire a knowledge of modern speaking techniques. Includes study of personality projection, platform showmanship, voice resonance, audience psychology, telephone, public address and radio speaking. Course is directed to the student's own interests.

116 Speaking for Television (2)

Training in new methods of speech. How to appeal to the listener visually as well as audibly. Special coaching in self-expression and the projection of the personality. Study of sales psychology principles and their application to television announcing.

122 Voice and Diction (3)

Prerequisite: One year of public speaking or Speech 100.

The physiology of voice and exercises in breathing, breath control, tone production, and voice projection. Drill in articulation and pronunciation to improve quality, flexibility, and effectiveness of voice and diction.

135 History of British Address (3)

Official study of speeches by leading British orators from the eighteenth century to the present time. Relationship of speakers to issues and social movements of their day.

137 History of American Public Address (3)

Critical study of speeches by leading American orators from the colonial period to the present time. Relationship of speakers to issues and social movements of their day.

190A-190B Forensics (1-1)

Prerequisite: Speech 105 or consent of instructor.

Intercollegiate and forensic activities.

ZOOLOGY**105 Mammalian Embryology (4)**

A survey of development of the mammal from egg to foetus with laboratory studies of rat and pig embryos. Histogenesis and organogenesis, and physiology of the reproductive tract.

Lecture, 2 hours; laboratory, 6 hours.

106 Comparative Anatomy (4)

Lecture, 2 hours; laboratory, 6 hours.

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