

Biology 100C—Introductory Biology III
Spring Quarter 2012—Class # 10841-01
MW 9:50-11:05 A.M. ASCB 132

Instructor: Dr. B.Veno
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Office Hours: MW 11:20 A.M. – 1:20 P.M.
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Text—Nature Education (2011). Principles of Biology. (<http://www.nature.com/principles>).
 The online text can be accessed: 1) by purchasing the access kit at the campus bookstore 2) by purchasing access online using a credit card.

Lab Manual— Introduction to Biology III: Animal and Plant Systems. 2005. Department of Biological Sciences CSULA. (Available at University Book Store or Student Book Mart 1725A N. Eastern Ave., Los Angeles, CA 90032; 323- 262-5511).

Course overview and learning objectives—Biology 100C is a course required for students majoring in Biology. In Biology 100C, students will study the physiology and anatomy (cell, tissue, and organ level) of the major animal and plant systems. Students will learn the structure and function of the nervous, endocrine, digestive, respiratory, circulatory, excretory, and reproductive systems of animals. For plants, students will study the structure of the major organs (root, stem and leaf), mechanisms of growth, hormonal control, effects of soil and minerals on plant growth, modes of transport of food and water, and reproduction.

Prerequisites: Completion of Biology 100A and Biology 100B with a grade of C or better.

Lecture Date	Lecture topic	Text Module	Recitation/ Lab Dates	Recitation Exercise	Lab Exercise
4/02	Introduction; Plant Cell Types	18	4/02-4/04	Enrollment: Introduction to Plant growth Project (PGP)	Begin PGP: Planting seeds
4/04	Primary growth-roots	18-20			
4/09	Primary Growth-Stems	18-20	4/09-4/11	Plant cell type review & exercise	Roots; Stems-Part I
4/11	Secondary Growth	19			
4/16	Leaf structure/ Leaf adaptations	18-20	4/16-4/18	PGP observations & data collection	Stems-Part II (Quiz #1)
4/18	Plant hormones	21-24			
4/23	Midterm I		4/23-4/25		
4/25	Soils & minerals; Water transport	25-26		PGP observations & data collection; Format of a research paper.	Leaves; Plant Water and Mineral Uptake and Transport (Quiz #2)
4/30	Plant reproduction	28-29	4/30-5/02	PGP observations & data collection;	Plant Angiosperms: (reproduction) (Quiz #3)
5/02	Animal cells & tissues	30-32			
5/07	Nervous system	33-36; 39-40	5/07-5/09	PGP observations & data collection;	Animal Nervous and Sensory Systems (Quiz #4)
5/09	Endocrine system	41-45		animal tissue exercise (due next lab)	
5/14	Midterm II		5/14-5/16		
5/16	Digestive system	46-49		Final PGP observation & data collection; discuss data presentation	Animal Form, Function, Digestive System (Quiz #5)

5/21	Circulatory system; Blood	50-53	5/21-5/23	Animal Circulatory System; Animal Respiratory System, Gas Exchange —lab and exercises PGP report due (Quiz #6)
5/23	Respiratory system	54-55		
5/28	Memorial Day Holiday		5/28-5/30	No recitation or labs this week
5/30	Excretory system	56-59		
6/04	Reproductive system	60-65	6/04-6/06	Animal Excretion System; Animal Reproductive System; Lab instructor evaluations (Quiz #7)
6/06	Embryology			
6/13	Final Exam	Wednesday	8:00-10:30 A.M.	

GRADING:

LECTURE TOTAL POINTS (2 midterms, final exam @ 100 points each)	300
LABORATORY TOTAL POINTS (6 quizzes @ 10 points each; 4 recitation exercises @ 15 points each; PGP report @ 80 points)	200
COURSE TOTAL POSSIBLE POINTS	500

FINAL GRADES will be based on the following class scale: A=92% (500-460), A- =90% (459-450), B+ =88% (449-440), B=82% (439-410), B- =80% (409-400), C+ =78% (399-390), C=72% (389-360), C- =70% (359-350), D+ =68% (349-340), D=62% (339-310), D- =60 (309-300)%, F=59% and below(299-0).

Lecture exams are objective format (multiple choice, matching, true/false). A **scantron**, form 882-E, is required for each midterm and the final exam. **All cell phones and other electronic devices are to be turned off during the exams**

Laboratory quizzes –10 points each for the highest scoring six of seven possible lab quizzes (the lowest score will be dropped).

BLACKBOARD (WebCT): All students must register for Biology 100C on Blackboard (WebCT) during the first week of the quarter in order to have access to PowerPoint lectures, the course syllabus, **the plant growth project handout**, grades, and announcements.

Drop Policy—The drop policy established by the university will be strictly followed. After the no record drop deadline, students may drop a course only for “serious and compelling reasons”. Failing a course is not an acceptable reason for withdrawal. Acceptable documentation is required verifying the reason for the withdrawal. See the Schedule of Classes for information.

Incomplete Grade Policy—Incomplete grades can only be assigned when the majority of the coursework has been completed (essentially all work except the final exam), and the student is passing the course (grade of C or better). The submission of an Incomplete Grade Form is required.

MISSED EXAMS: If you find that you cannot be present at an exam, **prior notification is required**. A verifiable excuse must be provided. Any exam missed without a **verifiable excuse** will graded as zero (0) points. If a makeup exam is allowed, it must be taken before scantrons are returned to the class. **Make-up lab quizzes will not be given.**

ACADEMIC HONESTY: Students are expected to read and abide by the University’s Academic Honesty Policy, which can be found at: <http://www.calstatela.edu/academic/senate/handbook/ch5a.htm>, and in the Fall Schedule of Classes. Students who violate this policy will be subject to disciplinary action, and may receive a failing grade in the course for a single violation.

“REASONABLE ACCOMMODATION will be provided to any student who is registered with the Office of Students with Disabilities, and requests needed accommodation.”