

**Biology 100C—Introductory Biology III**  
**Fall Quarter 2009—Call # 16074-01**  
**TR 9:50-11:05 a.m. SH-C343**

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**Office—Biol.Sci. 164**  
**Office Hours: TR 11:20 a.m. – 12:40 p.m.**  
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Text—Freeman, Scott. 2008. Biological Science. Volume 3: How Plants and Animals Work. 3<sup>rd</sup> ed. San Francisco: Benjamin / Cummings.

Lab Manual— Introduction to Biology III: Animal and Plant Systems. 2005. Department of Biological Sciences CSULA. (Available at 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.

Date	Lecture topic	Reference Chapters		Lab Exercise
		Freeman	Campbell	
9/24	Introduction to the Plant Growth Project	Ch.38; pgs.906, 909-910	Ch.37; pgs. 778, 779-780	Introduction; enrollment check
9/29	Animal Cells & Tissues	Ch.41; pgs. 1008, 1047, 1051	Pgs. 823-827	1. Animal Tissues
10/1	Animal Embryology	Ch. 22 (Vol. 1)	Ch. 47	2. Animal Embryology <b>Quiz #1 (Lab 1)</b> <b>Begin Plant Growth Project (PGP)</b>
10/6	Animal Nervous System	Ch. 45, 46	Ch. 48	3. Animal Nervous and Sensory Systems
10/8	Animal Endocrine System	Ch. 47	Ch. 45	4. Animal Endocrine System <b>Quiz #2 (Labs 2&amp;3)</b>
10/13	Animal Digestive System	Ch. 43	Ch. 41	5. Animal Form & Function; Digestive System
10/15	Animal Circulatory System & Blood	Ch. 44	Pgs. 867-883	6. Animal Circulatory System <b>Quiz #3 (Labs 4 &amp; 5)</b>
10/20	<b>Midterm Exam</b>			Writing a Research Paper
10/22	Animal Respiratory System	Ch. 44	Pgs. 884-893	7. Animal Respiratory System; Gas Exchange

10/27	Animal Excretory System	Ch. 42	Ch. 44	<b>8. Animal Excretory System Quiz #4 (Labs 6 &amp; 7)</b>
10/29	Animal Reproductive System	Ch. 48	Ch. 46	<b>9. Animal Reproductive System</b>
11/3	Plant Cell Types; Primary Growth in Roots	Pgs. 802-807; 791-795; 800-802; 819-820	Pgs. 717-719 Pgs. 712-714; 722-723	<b>10. Plant Tissues Quiz #5 (Labs 8 &amp; 9)</b>
11/5	Primary Growth in Roots; Primary Growth in Stems	Pgs. 791-795; 800-802; 819-820; Pgs. 795-796; 802	Pgs. 712-714; 722-723. Pgs. 715; 723-724	<b>11. Roots</b>
11/10	Primary Growth in Stems; Secondary Growth in Plants	Pgs. 795-796; 802 Pgs. 807-810	Pgs. 715; 723- 724. Pgs. 725- 728	<b>12. Stems Part I-primary growth Quiz #6 (Labs 10 &amp; 11)</b>
11/12	<b>Midterm Exam</b>			<b>13. Stems Part II- Secondary Growth</b>
11/17	Secondary Growth in Plants; Leaf Structure & Adaptations	Pgs. 807-810; Pgs. 797-799; 822; 827	Pgs. 725-728; Pgs. 715-716; 724	<b>14. Leaves Quiz #7 (Labs 12 &amp; 13) End PGP</b>
11/19	Leaf Structure & Adaptations Plant Hormones	Pgs. 797-799; 822; 827; Ch. 39	Pgs. 715-716; 724. Ch. 39	<b>15. Plant Hormones &amp; Growth Regulation</b>
11/24	Plant Hormones; Soils & Minerals	Ch. 39 Ch. 38	Ch. 39 Ch. 37	<b>16. Plant Water and Mineral Uptake and Transport Quiz #8 (Labs 14 &amp; 15) PGP Reports Due</b>
11/26	THANKSGIVING HOLIDAY			<b>NO LABS</b>
12/1	Water and Food Transport in Plants	Ch. 37	Ch.36	<b>17. Angiosperm Reproduction</b>
12/3	Reproduction in Angiosperms	Ch. 40	Ch. 38; Pgs 598- 600	<b>18. Plant embryos and Seedlings; Seed Germination; Plant propagation Quiz #9 (Labs 16 &amp; 17) Course and Instructor Evaluations</b>
<b>12/10</b>	<b>Final Exam</b>	<b>8:00-10:30 a.m. in the Lecture Room</b>		

## GRADING SCALE:

<b>LECTURE TOTAL POINTS (2 midterms, final exam @ 100 points each)</b>	<b>300</b>
<b>LABORATORY TOTAL POINTS (8 quizzes @ 20 points each; PGP @ 40 points)</b>	<b><u>200</u></b>
<b>COURSE TOTAL POSSIBLE POINTS</b>	<b><u>500</u></b>

**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 not comprehensive. **Laboratory grades** are composed of **40 points for the Lab Project** and **20 points each for the highest scoring eight of nine possible lab quizzes** (the lowest score will be dropped) for a total of **160 points**. **Failure to turn in the Lab Report will result in lowering of the course grade one letter grade.**

**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**—Within the W drop period, 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, and the signatures of the course instructor and Department Chair are required. Drops during the emergency withdrawal period must meet all conditions required during the W drop period; in addition, ordinarily, complete withdrawal from the University is required. The signatures of the course instructor, Department Chair and the Dean are also necessary.

**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. The submission of an Incomplete Grade Form is required.

**Are you in the correct class?** You are in the correct class if you are a **biology major, a microbiology major, a biochemistry major, or a pre-professional student**. Biology 100C is not a class for general education students. General education students should enroll in Biology 155 or 156.

**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. Any student **arriving late** to an exam (after other students have completed the exam, and left the classroom) may not be allowed to take the test, and will receive a grade of zero (0) points. **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>. Students who violate this policy will be subject to disciplinary action, and may receive a failing grade in the course for a single violation.