

Biology 3
General Biology Lecture and Lab
T,Th : Lecture 5:15-6:45 pm,CMS004
T,Th: Lab: 6:50 pm-10:00pm,CMS110
Phone: (818)364-7000,X4234

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Office Hours: T,Th 4:30-5:25,CMS004
Sections: 3145, 3146

Required Materials: Biology:Concepts and Connections, Campbell, Reece 7th ed
Laboratory Investigations for Biology, Jean Dickey-2012
Lab Pack with Laboratory Review Sheets
Scantrons(100 questions)

Biology 3 course examines the fundamental principles of biology with laboratories emphasizing hands-on investigations. Topics include an introduction to evolutionary theory, basic biological chemistry, cell function and reproduction, cellular respiration and photosynthesis, classical and contemporary genetics, gene expression and an introduction to animal structure and function.

This is a class schedule of topics and exams for the semester. You are expected to read and study the assigned text chapters **before** coming to class.. Exams will cover concepts from lecture, lab, discussions, and your text.

- **Advisory: English 28 or ESL 8**
- **Articulation: CSUN Biology101, CSULA Biology 155, ULCA Life Science 15, UCR Biology 2**

STUDENT LEARNING OUTCOMES

- 1)BIO3 students will analyze a scientific experiment and determine the major components.
- 2 BIO3 students will graph, interpret, and analyze data pertaining to a biological process.
- 3)BIO3 students will analyze a genetic problem to determine the probabilities of genotypic and phenotypic outcomes.
- 4)Given a DNA sequence, BIO3 students will apply the principles of gene expression to determine the protein product.

Attendance

1. Attendance is mandatory. Continual tardiness will be looked upon as an unexcused absence.
2. **LECTURE for THIS class is on BOTH TUES AND THURS. You have to come BOTH DAYS for LECTURE**
3. Absences are excused, only if college-authorized. The remaining absences, including those for illness, are unexcused.
4. There will be **NO CELL PHONE USE IN CLASS**. Usage of cell phones will result in point deductions
5. You may be dropped from the course, when the number of absences exceeds the number of times the lecture or lab meets in three weeks.
6. The last day to drop classes without a W is **2/23**, with a W, **5/11. Refund Date 2/23**
7. Please let me know if you are going to be absent or need to leave class early.
8. This is an important website for labs, reference material etc : www.lamission.edu/lifesciences
9. This is a list of student services: <http://www.lamission.edu/students/>

Grading

1. There will be a lab quiz at the **END** of every lab. **Quizzes will cover information from the previous lab as well as the current lab. The will also be a final lab practical on the 2nd to last lab date**
2. There will be 4 unit exams during the semester and one comprehensive final, at the end. **There are no make-up exams**. The lowest exam score out of the four exams will be dropped when evaluating the final score.
3. Quizzes and Exams will involve **ESSAYS(Critical Writing) and multiple choice**

4. Cheating on anything (exams, quizzes) will result in a “0” on that item and I mean this.
5. Your biology lecture grade will be based on:
 3 exams: 300 points
 Final exam: 200 points
 500 points

7. Your lab grade will be based on
 Reports
 Quizzes
 Lab Practical

250 Points total

Overall total points: **750**

6. Your overall General Biology I grade will be approximately 2/3 lecture and 1/3 lab.
7. Sometimes people have different editions of the book. If this is so look at the **INDEX at the back** to see the subject material and the **PAGE NUMBERS** we are covering.

Grading Scale-TENTATIVE(Subject to Change)

- A: 90-100%
 B: 80-89%
 C: 65-79%
 D: 51-64%
 F: 50% or below

Biology Lectures

<u>Date</u>	<u>Topics</u>	<u>Chapters Due</u>
2/11-2/13	Introduction; scientific method basic chemical concepts	1 2
2/18-2/20	chemistry of life cytology-cell structures/functions	4 7
2/25-2/27	enzymes, membranes & transport	8
3/4-3/6	cellular respiration	9
3/11	Exam I	
3/13	Photosynthesis	10
3/25-3/27	DNA & protein synthesis	16,17
	DNA Technology	20
4/1-4/3	Mitosis and Meiosis	12,13
4/15	Exam II	
4/17-4/22	Genetics	14,15
4/24	evolution speciation and extinction	22-23

4/28	Ecology and Population Dynamics	52-53	
5/1	Exam III		
5/6-5/8	reproduction,STDs, and development	46	
	circulatory system	42	
	respiratory system		
5/13-5/15	homeostasis,thermoregulation,	44-45	
5/20	osmoregulation, hormones		
5/22	Exam IV		
5/21-5/23	digestive system		
5/27-5/29	immune system	41,43	
	Nervous System		48,49
6/5	FINAL EXAM –Same room as lecture CMS 004		
	5:30-7:30		

Code of Honor and Integrity
Los Angeles Mission College
Department of Life Sciences

Students at Los Angeles Mission College, because they are members of an academic community dedicated to the achievement of excellence and the pursuit of honor, are expected to meet high standards of personal, ethical, and moral conduct. These standards require personal integrity and a commitment to honesty without compromise. Without the ability to trust in these principles, an academic community and a civil society cannot exist. Los Angeles Mission College students and faculty are as committed to the development of students with honesty and integrity as they are to the academic and professional success of its students.

The **Code of Honor and Integrity** is an undertaking of the students, first and foremost, both individually and collectively, that they will:

1. not give or receive dishonorable aid during exams, quizzes or assignments
2. do their share and take an active part in seeing to it that fellow students, as well as themselves, uphold the spirit and letter of the Code of Honor and Integrity.

Some examples of conduct that are regarded as being in violation of the Honor Code include:

- Copying from another's examination or quiz, or allowing another to copy from one's own papers
- Using any unpermitted source of information, human or other, during an exam, quiz or assignment that influences the grade; this includes the use of technological devices
- Any student-to-student collaboration that is unpermitted
- [Plagiarism](#) (plagiarism is defined as the use, without giving reasonable and appropriate credit to, or acknowledging the author or source, of another person's original work)

- Representing as one's own work as the work of another
- Giving or receiving aid on an academic assignment under circumstances in which a reasonable person should have known that such aid is not permitted

As a part of the effort to promote an environment of honesty and integrity during quizzes and examinations, the following guidelines will apply for any courses in the Department of Life Sciences:

1. Students will leave all books and all other non-essential items (e.g. paper, electronic devices) on the floor so that they are not useable nor block the sight line between professor and student. No electronic devices will be in reach.
2. Students will not communicate in any way that will dishonorably assist themselves or another student.
3. Students will leave the room during an exam only if permitted by the professor's policy. If permitted, only one student may leave the room at any time and be gone for only the average length of time needed for the stated purpose. Students will leave all purses, bags, books, phones, jackets, etc., in the classroom during the absence.
4. Students will promote the spirit and letter of the **Code of Honesty and Integrity** by dissuading fellow students from dishonest activity and, when such casual persuasion does not work, informing the professor of the possible dishonest activity, either anonymously, or otherwise.
5. Students will make every effort to avoid even the appearance of dishonesty or lack of integrity

Violation of this policy will not be tolerated and violators will be subject to severe penalties. The success of the **Code of Honor and Integrity** is based upon the collective desire of students, faculty and the community to live in an environment that embraces respect for that which is right – both in the college and in society as a whole.