

**Biology 3**  
**General Biology Lecture and Lab**  
**T,Th : Lecture 5:15-6:40 pm,CMS004**  
**T,Th: Lab: 6:50 pm-10:00pm,CMS110**  
**Phone: (818)364-7000,X4234**

**Dr. Sunjay Jayachandran**  
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**Office Hours: T,Th 4:30-5:25,CMS004**  
**Sections: 3145, 3146**

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

Biology 3 is a comprehensive non-majors course which is designed to allow students to identify and describe the major concepts of classical and modern biology including, cells, molecular biology, evolution and organ systems

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**

*Biology 3 students will work together as a laboratory team to answer questions, in writing, on laboratory techniques learned in the course and will be able to design simple experiments and explain the results.*

Upon completion of this course, the successful student should be able to:

*Biology 3 students will work together as a laboratory team to answer questions, in writing, on laboratory techniques learned in the course and will be able to design simple experiments and explain the results.*

1. Critically interpret how the scientific method has been employed in prominent scientific studies of interest to the general public.
2. Confidently discuss and debate science findings as they are presented in the popular media.
3. Apply the scientific method by collaborating with peers to formulate a hypothesis, design a simple controlled experiment, collect and record data, and make a reasonable conclusion.
4. Demonstrate basic laboratory skills, including: metric system of measurement of mass, volume, length and temperature; use the compound light and dissecting microscopes; conducting simple chemical tests.

### **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. 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.
5. The last day to drop classes without a W is **2/18**, with a W, **5/5. Refund Date 2/18**
6. Please let me know if you are going to be absent or need to leave class early.
7. This is an important website for labs, reference material etc : [www.lamission.edu/lifesciences](http://www.lamission.edu/lifesciences)

8. 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. There will also be a final lab practical on the 2<sup>nd</sup> 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:	<u>200 points</u>
	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>
2/5-2/7	Introduction; scientific method basic chemical concepts	<b>1</b> <b>2</b>
2/12-2/14	chemistry of life cytology-cell structures/functions	<b>4</b> <b>7</b>
2/19-2/21	enzymes, membranes & transport	<b>8</b>
2/26-2/28	cellular respiration	<b>9</b>
<b>3/5</b> 3/7	<b>Exam I</b> Photosynthesis	<b>10</b>
3/12-3/14	DNA & protein synthesis	<b>16,17</b>

	DNA Technology	20
3/19-3/21	Mitosis and Meiosis	12,13
3/26	<b>Exam II</b>	
4/9-4/11	Genetics	14,15
4/16-4/18	evolution speciation and extinction	22-23
4/23	Ecology and Population Dynamics	52-53
4/25	<b>Exam III</b>	
4/30-5/2	reproduction,STDs, and development	46
	circulatory system	42
	respiratory system	
5/7-5/9 5/14	homeostasis,thermoregulation, osmoregulation, hormones	44-45
5/16	<b>Exam IV</b>	
5/21-5/23	digestive system	
	immune system	41,43
	Nervous System	48,49
5/30	<b>FINAL EXAM –Same room as lecture CMS 005 5:30-7:30</b>	

**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.