



**West LA College Biology 003B: Introduction to Biology**  
Fall 2015 Course Syllabus (Section 0400)

**Course Description:**

Bio 003B will enable students to practice the scientific method and to observe biological structures and processes covered in Biology 3A. This course, in combination with Biology 3A, fulfills the laboratory science general education requirement. This course is designed for non-biology majors. Laboratory topics include an introduction to the microscope, study of the cell, a survey of the microorganisms, plants, and animals that comprise the kingdoms of life, and the anatomic study of the earthworm, grasshopper, and fetal pig.

**Co-requisite:**

Concurrent enrollment in Biology 3A required. Recommended: English 028, Math 105.

**Instructor:**

Bryon Curletto  
Office: MSB 225  
Voice Mail: (310) 287-4200 ext. 4218  
Email: curletbj@wlaac.edu

**Office Hours:**

Tuesday 1:00 pm – 3:00 pm  
Wednesday 9:30 am – 11:30 pm  
Friday 1:00 pm - 2:30 pm or by appointment

**Section:**

**0400** Laboratory: Friday 9:35 am – 12:50 pm in MSA 309

**Course Materials:** The following materials are considered required for the course.

- Textbook: ***Inquiry Into Life, 14<sup>th</sup> edition by Mader***
- Laboratory manual: ***Biology 3 Lab Book by Steven Fink***
- Lab exams: **Scantron Form 882-E**
- Rubber Gloves

**Student Learning Outcomes:** Upon successful completion of this course students will be able to:

1. Determine whether an unknown solution contains a sugar, a protein or starch using the benedicts test, the biuret test and the Iodine test
2. Explain how to measure using the metric system
3. Describe the parts, use, & care of the light microscope

4. Describe the appearance of prokaryotic & eukaryotic cells when viewed under the microscope
5. Explain how to test for sugars, starch, and protein
6. Explain diffusion & osmosis and the measures of solution concentration
7. Outline the phases of mitosis and meiosis
8. Identify mammalian tissues under the microscope
9. Explain how concentration, temperature, and pH affect enzymes
10. Describe taxonomic classification
11. Recognize the key characteristics and categorize bacteria, fungi, protista, plants and animals
12. Explain the structure and function of the major organs of the fetal pig

### **Laboratory Exams:**

- There will be two practical laboratory exams that may include multiple choice, matching, short answer, true/false, or essay style questions.
- Lab exams must be taken at the scheduled time, no make ups.

### **Attendance:**

- **Attendance in laboratory is mandatory and will be tracked.** Contact me in advance if you think you might miss a lab, and we can attempt to make arrangements for you to make up the lab. **Lab assignments are due at the beginning of the next laboratory. Late assignments will not be accepted.**
- It is your responsibility to drop the class if you stop attending. Students who remain enrolled beyond the withdrawal deadline (11/20/15) must receive an evaluative letter grade. A "W" cannot be assigned to any student enrolled after this date.
- It is at the instructor's discretion to drop students for non-attendance or participation any time during the allowed drop/withdrawal period for the course.

### **Electronic Devices:**

Cell phones, electronic dictionaries, and other electronic devices are not allowed during lecture or labs exams. In consideration of myself and your classmates, **PLEASE TURN OFF OR MUTE CELL PHONES** during class. No calls, texting, internet or the like inside class. You must obtain permission if you would like to record the audio or video of any aspect of lecture or lab. You must obtain permission to take photos in laboratory.

### **Cheating/Plagiarism:**

Cheating of any kind will not be tolerated. Students who violate the LACCD Student Code of Conduct will receive a grade of zero on the assignment, homework, or exam in question and may be referred for disciplinary action in accordance with student disciplinary procedures.

### **Grading:**

You will be assigned one grade that combines your lab exams and other assignment scores. You are guaranteed to receive the grade earned as outlined below based on a percentage of the total points possible. The percentages for letter grades may change depending on the performance of the class overall i.e.; some exams and/or the class overall may or may not be curved.

A = 90 to 100%  
B = 80 to 89%  
C = 70 to 79%

D = 60 to 69%  
F = below 60%

Scores will be rounded to the nearest ones place. For example: 79.5% = 80% (B)

### **Distribution of Points:**

	<b>Each</b>	<b>Total</b>
Exams (2)	100	200
Quizzes	Varies	50
Participation	Varies	50
<u>Lab Activities</u>	<u>Varies</u>	<u>100</u>
Total points possible		400

### **Important Dates**

- 9/11 Last day to add class. Last day to drop full-term classes and qualify for refunds.
- 9/11 Last to drop classes without a grade of "W"
- 11/20 Last day to drop with a grade of "W"

## Laboratory Schedule

Date	Topic	Chapter
9/4	Lab Orientation	
9/11	Measurement in Biology	A
9/18	The Microscope & Its Uses	B
9/25	The Cell	D
10/2	Cell Division	F
10/9	Cell Division & Identification of Organic Molecules	F,C
10/16	Introduction to Graphing, Diffusion, Osmosis	XE
10/23	Enzymes	CC
<b>10/30</b>	<b>Midterm</b>	
11/6	Classification of Organisms; Viruses, Kingdoms Monera, Protista, and Fungi	G, H, I, J, K
11/13	Kingdom Plant	L
<b>11/20</b>	Vegetative Organs & Repro in Angiosperms, Dichotomous Keys	M, N, MM
<b>11/27</b>	<b>Thanksgiving - No Class</b>	
12/4	Invertebrate Animals, Vertebrate Animals, Histology	O, P, R, S, T
12/11	Fetal Pig	U
<b>12/18</b>	<b>Final Exam</b>	

\* This is a tentative schedule that may change during the course. I will announce changes to the schedule during lab or by posting information online.