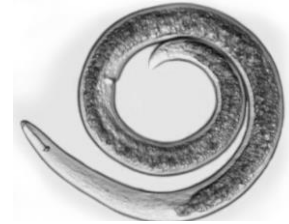


## BIOL 1050 LAB-SPRING 2017



**Instructor: Sally Channing-Santiago**

**Office Hours:** before lab, or after, are times to meet, or email me to set up an appt., otherwise I will try to be in my office Tues. 1-2 p.m.

**Contact Information:** schanningsantiago@ucdavis.edu (best) or (209) 634-5837 (wrk#), 8am-5pm (*worst*) I do not check CSUS email as frequently as the email address listed above.

**Required Materials:** **'Symbiosis' Lab Manual** (only available in the Bookstore)  
Notepaper – or write in the manual, Calculator – some are available in lab, you can use your phone during labs for calculating only...

**Blackboard site:** I will post lab information for my section on the Blackboard site. Check it often, I will occasionally email when something specific needs your attention on Blackboard.

**Lab Safety Contract:** We will discuss the Lab Safety at the first meeting, sign a contract, and specific items will be highlighted before each lab.

### Lab Schedule

Date	Topic
Jan 31	Meet for attendance! Be sure to come if you want to keep your seat! Syllabus, Lab Safety agreement, and more.
Feb 7	<b>Lab 1</b> Scientific Investigation
Feb 14	<b>Lab 2</b> Microscopes and Cells Quiz 1
Feb 21	<b>Lab 3</b> Osmosis Exercise <b>Write up due next week</b> <i>Set up seed germination lab</i> Quiz 2
Feb 28	<b>Lab 4</b> Enzymes <b>Write up due next week</b> Collect and analyze data from seed germination Quiz 3
Mar 7	<b>Lab 5</b> Mitosis, Meiosis Quiz 4
Mar 14	<b>Lab 6</b> Solving genetics problems Quiz 5
Mar 21	<b>Spring Break – No lab</b>
Mar 28	<b>Lab 7</b> Photosynthesis <b>Write up due next week</b> Quiz 6
Apr 4	<b>Lab 8</b> Respiration/Fermentation Quiz 7
Apr 11	<b>Lab 9</b> Bioinformatics, Introduction to Worm Biology Quiz 8
Apr 18	<b>Lab 10</b> DNA extraction, Pipetting, PCR Quiz 9
Apr 25	<b>Lab 11</b> Evolution Quiz 10 <b>Write up due next week</b>
May 2	<b>Lab 12:</b> Population Genetics: Hardy –Weinberg cont., Gel Electrophoresis Quiz 11
May 9	<b>Lab 13: Comprehensive Lab Practical 100 points</b>
May 16	No lab meeting
	<b>Final Exam Week- no lab meeting</b>

### Quizzes/Lab Write ups/Exams:

- There will be a 10 point quiz every week, starting Week 3, lab 2. Each quiz will cover previous week's lab exercises and test your preparation for the current week.
- Your lowest quiz score out of 11 quizzes, will be dropped.
- Lab write-ups are usually due the following week after they are assigned. Be sure to follow your instructor's directions when doing the write-ups. Write-ups are due at the beginning of class. (Format to be discussed in class and posted on Blackboard.)



<u>Assignment</u>	<u>Points</u>
Quizzes (10 x 10 points)	100
Lab Write-ups (4 x 25 points)	100
Lab Final Practical Exam	50
<b>TOTAL POINTS</b>	<b>250</b>



### Make-up:

There will be no make ups for missed quizzes or labs. You are responsible for getting the information, notes, data, if you miss a lab. Generally there is not switching between the labs, however, if you know of an absence, let me know to see if you can fit into one of the other labs

### Lab Write-ups

Lab Write-ups are due at the beginning of the lab. See the lab schedule for the due dates. Late lab reports are penalized 5 pts. per day. Do your own work and don't copy the answers from someone else's report. Save your lab reports. They are valuable study guides.

### Student Conduct:

Plan on working with a partner or group. Most labs will run the full three hours. Attendance is required. Do not enroll in this class if you have conflicts or other commitments during your lab period. Be on time for class. During the first few minutes of each class period we will take the quiz, and discuss the lab to be performed. Attendance will be considered when rounding your grades up or down. Do not leave the classroom in the middle of a discussion. **Please do not use cell phones, iPods, or other electronic devices during class.** Computers are only allowed in class as a tool for note taking or class exercises.

**STUDENTS WITH DISABILITIES** – If you are a student with a documented disability, please meet with me privately as soon as possible so we can arrange the accommodations that will foster your success in this course.

**TUTORING ON CAMPUS** – Free tutoring services are available to assist you in most disciplines, including in biology! Library 112; Phone (209) 667-3642; Web <http://www.csustan.edu/Tutoring>

**CAMPUS COUNSELING SERVICES** – Overwhelmed by the stress of juggling classes and your home life? Our campus offers excellent counseling services to help support you, and you've already paid for it! MSR 210; Phone (209) 667-3381; Web <http://www.csustan.edu/Counseling/>