

BIOL 1050 LAB-FALL 2018

Instructor: Sally Channing-Santiago

Office Hours: Tues 4 – 5 pm, Tues./Thurs. before lab – contact me, email me for other

Contact Information: schanningsantiago@ucdavis.edu (best) or (209) 634-5837 (wrk#), 8am-5pm

Required Materials: ‘Symbiosis’ Lab Manual (only available in the Bookstore), Notepaper

Blackboard site: I will post lab information for my section on the Blackboard site. Check it weekly!

| Week | Lab Schedule | Quiz # | Write in your quiz grade in this column |
|---------------------------|--|--------------------|---|
| 8/27 | Attendance this week is mandatory for a place in the class. Lab safety, neurophysiology of learning, study skills, time management | | |
| 9/3 | Lab 1 Scientific Investigation (pg 5 in lab manual) | | |
| 9/10 | Lab 2 Microscopes and Cells (pg 33 in lab manual) | Quiz 1 | |
| 9/17 Exam 1 | Lab 3-1 Practice Pipetting, DNA extraction, PCR | Quiz 2 | |
| 9/24 | Lab 3-2 Restriction Digest, Running gels, Bioinformatics BRING YOUR LAPTOP OR TABLET FOR AN IN-CLASS EXERCISE | Quiz 3 | |
| 10/1 | Lab 4 Enzymatic Activity (pg 85 in lab manual) | Quiz 4 | |
| 10/8 No Wed. | No Lab | | |
| 10/15 Exam 2 | Lab 5 Mitosis and Meiosis (pg 119 and 125 in lab manual) | Quiz 5 | |
| 10/22 | Lab 6 Solving Genetics Problems (pg 131, 137, 139, 157 in lab manual) | Quiz 6 | |
| 10/29 | Lab 7 Photosynthesis (pg 109 in lab manual) | Quiz 7 | |
| 11/5 | Lab 8 Respiration/ Fermentation (pg 113 in lab manual) | Quiz 8 | |
| 11/12 No Mon Exam 3 | Lab 9: Population Genetics and Evolution (pg 159 in lab manual) (Set up seed germination Lab?) (No Monday) | Quiz 9 | |
| 11/19 | Thanksgiving (Only Monday Labs Meet: Pop Gen Lab) | | |
| 11/26 | Lab 10: Diffusion and Osmosis (pg 57 in lab manual) | Quiz 10+Quiz 11 | |
| 12/3 | Lab Practical (Lab Assignment Due-Last Day of Class (Dec 12th)?) | | |

Quizzes/Journals/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 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. These are not Chem Lab style write-ups. Write-ups are due at the beginning of class. (Format to be discussed in class.)
- There will be occasional lab summaries due at the end of lab which can include answering questions, submitting a graph of the lab activities, or etc. There might also be a few pre-lab exercises to hand in. These will all total 25 points for the semester.



| <u>Assignment</u> | <u>Points</u> |
|--------------------------------|---------------|
| Quizzes (11 x 10 points) | 100 |
| Lab Activities (Reports, etc.) | 100 |
| Lab Final Practical Exam | 50 |
| TOTAL POINTS | 250 |



ABSENCES

Attendance is required. Do not enroll in this class if you have conflicts or other commitments during your lab period. I will take attendance and mark any absences. Every absence will result in one or more zero grades. See below.

Excused absences:

1. illness documented by a physician (personal illness or a child's illness, or emergencies due to pregnancy)
2. documented jury duty or military duty
3. CSU Stanislaus athletics games (documented by coach; doesn't include team practice)

Absences/Make ups:

If you miss a lab, you **cannot** make it up, and you cannot earn any credit for writing up that lab activity. There are no exceptions to this rule, but in the case of excused absences a grade adjustment is possible so you are not penalized. Missed quizzes **can** be made up if the absence is excused but you must e-mail me that week regarding a make-up quiz. If I don't hear from you promptly, you get a zero grade.

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 discuss the day's activities and take the quiz. 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 the one class exercise- Bioinformatics.

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/>