

BIOL 1050 GENERAL BIOLOGY LAB SPRING 2020

Dr. Jennifer Cooper
 Office hours: M 10:00am-12:00pm
 Th 12:30pm-1:30pm

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 Write BIOL 1050 in the subject line!
 Check your Stan State email every day!

Required Materials: Symbiosis Lab Manual (at the campus bookstore; photocopies not allowed)

Blackboard: www.csustan.edu/blackboard BIOL 1050 lab section (automatic enrollment)

Week of...	Lab	Quiz #	Quiz Score
1/27	Attendance this week is mandatory for a place in the class. Lab safety, neurophysiology of learning, study skills, time management		
2/3	Lab 1 Microscopes and Cells (pg 33 in lab manual)		
2/10	Lab 2 Scientific Investigation (pg 5 in lab manual)	Quiz 1	
2/17	Lab 3-1 Practice Pipetting, DNA extraction, PCR	Quiz 2	
2/24	Lab 3-2 Restriction Digest, Running gels, Bioinformatics BRING YOUR LAPTOP OR TABLET FOR AN IN-CLASS EXERCISE	Quiz 3	
3/2	Lab 4 Enzymatic Activity (pg 85 in lab manual) Set up seed germination lab	Quiz 4	
3/9	Lab 5: Diffusion and Osmosis (pg 57 in lab manual)	Quiz 5	
3/16	Lab 6 Mitosis and Meiosis (pg 119 and 125 in lab manual)	Quiz 6	
3/23	SPRING BREAK NO LAB		
3/30	CESAR CHAVEZ NO LAB		
4/6	Lab 7 Solving Genetics Problems (pg 131, 137, 139, 157 in lab manual)	Quiz 7	
4/13	Lab 8 Respiration/ Fermentation (pg 113 in lab manual)	Quiz 8	
4/20	Lab 9 Photosynthesis (pg 109 in lab manual)	Quiz 9	
4/27	Lab 10: Population Genetics and Evolution (pg 159 in lab manual)	Quiz 10	
5/4	Review Session	Quiz 11	
5/11	LAB PRACTICAL EXAM		

GRADING

	Points
Quizzes (10 x 10 points...lowest quiz score dropped)	100
In-class activities and homework (10 x 10)	100
Lab Final Exam	50
TOTAL POINTS	250

IN-CLASS ACTIVITIES AND HOMEWORK

You will be performing all lab experiments with a partner or as a group, but the graded activities and homework assignments will be written **independently**. You are allowed to share data and discuss concepts and results with your classmates, but **the submitted assignment must be written in your own words. Plagiarism will earn a zero grade.**

Take-home assignments are due at the beginning of your lab section, in the following week. Late submissions are penalized 20% per day. The expectations regarding each activity or homework will be discussed in that class meeting.

QUIZZES

There will be a quiz every week, for a total of 11. Your lowest quiz grade will be dropped. Quizzes will cover material we covered in the previous meetings, and will test your basic understanding of the material we will cover that day (so read the **assigned pages** in the lab manual for that day's lab exercise!).

ATTENDANCE POLICY

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)

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. During the first few minutes of each class period we will discuss the day's activities and take the quiz, so tardiness will hurt your grade.

PERSONAL CONDUCT

Most labs will run the full three hours. Develop a cordial working relationship with your lab group, and **always** do your share of the work. The laboratory is a place for work. Remain focused on your lab activity for the entire period. Practice lab safety at all times. **Clean up after yourself, and always stock fresh consumables (such as test tubes or disposable pipets) for students in the subsequent class period.**

Cell phone use as a timer or calculator is acceptable; **texting or checking email is not acceptable. It is rude.** I will dock you 10 points if I observe this behavior.

Computers are only allowed in class as a tool for class exercises.