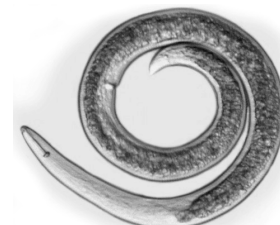


BIOL 1050-002 FALL 2010



Instructor: Dr. Marina M. Gerson

Office: N-272

Office Hours: Tues 1-2, Wed 12-1, Thurs 1-2

Contact Information: mgerson@csustan.edu or (209) 664-6547

Required Materials: Symbiosis Lab Manual (only available in the Bookstore)
Silencing Genomes Labs (www.silencinggenomes.org, see syllabus for needs)
Notepaper
Calculator

Blackboard site: I will post lab information for our section at the Biology 1050-002 Blackboard site.

Lab Schedule

Date	Topic
Aug 24	We will meet to take roll and go over important preliminary information. Be sure you attend class if you want to keep your seat! Purchase Symbiosis Lab Manual before Lab starts next week!
Aug 31*	Week 1 Scientific Investigation
Sept 7	Week 2 Microscopes and Cells
Sept 14	Week 3 Osmosis <i>Introduction to Worm Biology</i>
Sept 21	Week 4 Enzymes <i>Bioinformatics</i>
Sept 28	Week 5 Respiration <i>Pipetting, DNA Isolation, PCR</i> Journal Due for weeks 2, 3, 4
Oct 4	Week 6 Photosynthesis <i>Verify Worm gene by Gel Electrophoresis, Ligation to vector</i>
Oct 12	Week 7 Organisms and Environment Tues Thurs sections meet, No Class Wed due to Columbus Day.
Oct 19*	Week 8 Mitosis, Meiosis, How do they Differ? <i>Bacterial Transformation, inoculate plates to grow bacteria</i>
Oct 26	Week 9 Mendelian genetics <i>Verification via single colony PCR</i>
Nov 2	Week 10 <i>Gel electrophoresis</i>
Nov 9	Week 6b Organisms and Environment Wed section meets, No class Tues Thurs due to Veteran's Day)
Nov 16	Week 11 Evolution (dress for outdoors), <i>Inoculate plates, Journal Due for Weeks 5, 6, 7</i>
Nov 23	No labs: Thanksgiving week
Nov 30	Week 12 Population Genetics: Hardy -Weinberg; <i>Select worm larvae, transfer to plates, Journal Due for Weeks 9, 10, 11</i>
Dec 7	Week 13: <i>Observe RNAi phenotypes, Make Concept Map</i>
Dec 14, 2-4 pm	Comprehensive Lab Practical 100 points

*No journaling

Notes about Class:

- There will be a 10 point quiz every week, starting Week 2.
- We will do two exercises weeks 3,4,5 7,8,9,10, and 11.
- Plain text refers to Symbiosis Lab Manual, available in the Bookstore.
- *Italics* refer to the Silencing Genomes Labs (available at: www.silencinggenomes.org).



Quizzes/Journals/Exams:

- There will be a 10 point quiz every week, starting week of Sept 14.
- Each quiz will cover the previous week's lab exercises.
- Your lowest quiz score will be dropped.
- Journals (lab write-ups) are due every 3 weeks. Journals are due at the beginning of class. (Format to be discussed in class.)
- Final Lab Exam is a practical exam during finals week.



<u>Assignment</u>	<u>Points</u>
Quizzes (10 x 10 points)	100
Lab Journals (3 x 30 points)	90
Concept Map	10
Lab Final Practical Exam	100
TOTAL POINTS	300



Dates to Remember

Monday September 20- Last day to drop a course.

October 13- No Class- Columbus Day.

November 9 - No Class due to Veteran's Day.

November 12 - Last day to change grading option with Dr. Gerson.

November 23, 24 25- Come in to inoculate plates only.

December 14 - Comprehensive Lab Final Exam.

Make-up:

If you know you have a conflict on the day of the Lab final exam, please see me beforehand so we can discuss the situation. If something comes up unexpectedly on the day of the exam, please e-mail me. Don't 'let it ride' and plan on discussing it with me later. If I don't hear from you promptly, you get a 0.

Lab Reports/Write-ups

Lab Reports/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. Lab reports are not group activities. 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. 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. 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.