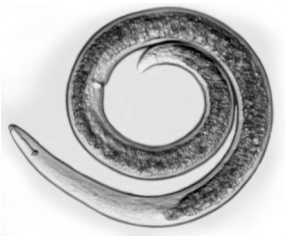
GENERAL BIOLOGY LAB (BIOL 1050-002)
FALL 2011



Instructor: Dr. Marina Gerson
Office: N-272
Office Hours: Thursday 11-2 and by appointment
Contact Information: at my office, e-mail *mgerson@csustan.edu* or call 664-6547

Required Materials:
Symbiosis (lab manual, **only** available in the bookstore)
Notepaper
Calculator (You cannot use your Phone!)
Blackboard site: I will post lab information for my section on our Blackboard site.

Tentative Lab Schedule

Lab Date	Topic
Aug. 23	Student Survey, Lab Safety, Be sure you attend class if you want to keep your seat!
Aug. 30	**Lab 1** Scientific Investigation **Write up due next week**
Sept. 6	**Lab 2** Review Scientific investigation, student graphs, Microscopes and Cells
Sept 13	**Lab 3** Finish Microscopes and Cells, Osmosis Exercise **Write up due next week**
Sept 20	**Lab 4** Enzymes Set up seed germination at different temps
Sept 27	**Lab 5** Collect and analyze data from seeds, Respiration/Fermentation **Write up due next week**
Oct 4	**Lab 6** Mitosis, Meiosis
Oct 12	**Columbus Day Holiday – No Classes**
Oct 18	**Lab 8** Solving genetics problems
Oct 25	**Lab 9** *Bioinformatics*, Introduction to Worm Biology** **Write up due next week**
Nov 1	**Lab 10** *Pipetting, DNA Isolation (worm picking), PCR**
Nov 8	**Lab 11** Evolution (dress for outdoors), *Gel Electrophoresis** **Write up due next week**
Nov 15	**Lab 12:** Population Genetics: Hardy–Weinberg
Nov 22	**Lab 7:** Photosynthesis for Tues Sections **Write up due next week**
Nov 29	**Lab 13:** *Personal Genomics**
Dec. 6	**Comprehensive Lab Practical 100 points**

*Note: The titles in *Italics* are not in Symbiosis- separate handout or online copy will be provided.

Quizzes/Journals/Exams:

- There will be a 10 point quiz every week, starting week of Sept. 6. Each quiz will cover the previous week's lab exercises and test your preparation for the current week.
- Your lowest quiz score will be dropped.
- Your computer-printed journals (lab write-ups) are due the 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. Journals are due at the beginning of class. (Format will be discussed in class.)

Assignment	Points
Quizzes (11 x 10 points)	110
Lab Write-ups (6 x 15 points)	90
Lab Final Practical Exam	100
TOTAL POINTS	**300**

Dates to Remember in Fall 2011

Monday, Sept. 5- No classes, Labor Day
Monday Sept. 19- Last day to drop a course
Tuesday, Oct. 11- No classes, Columbus Day
Friday, Nov. 11- No classes, Veteran's Day
Thursday and Friday- Nov. 24 and 25 - No classes, Thanksgiving break
Wednesday, Dec, 7- No classes, Reading Day
Dec 6 - Comprehensive Lab Final Exam
Friday Dec. 9- last day of classes

Make-ups:

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 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. ***Lab write-ups 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. Follow all safety rules at all times.