

BIOLOGY 101L General Biology Lab I
Mondays 2:30 pm-5:20 pm
Henry Hall Room L4

Professor: Dr. Elena P. Gold

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Lectures are accompanied by one laboratory period of 2 hours and 50 minutes per week. You will need to buy a lab coat for Bio 101L and closed toe shoes. Lab coats can be obtained from Wesselkamper or the bookstore.

You will be given a **separate** grade for lab and lecture.

Your grade for Bio 101L will be determined as follows:

Topic	Percentage of Grade	Grading system
Exam 1	25%	A= 90%-100%
Exam 2	25%	B= 80%-89%
Presentations/Lab Team Assignments	30%	C= 70%-79%
Participation	10%	D= 60%-69%
Other Lab assignments/summaries	10%	F= <59%

Lab Team Assignments:

Lab exercises will be conducted in randomly assigned teams of about 4 students. Assignments will consist of putting together PowerPoint presentations of the topic of the day.

For each lab exercise, your team will use pictures and text to create a PowerPoint presentation that clearly and creatively:

1. Gives background information on the topic
2. Accurately explains how you performed the lab exercise
3. Describes the results of your efforts

You are encouraged to take a lot of photographs and include them in your PowerPoint presentations. You are also encouraged to use information from outside sources (Google, library etc.). Try to limit the photographs used in your presentations to ones that you have taken yourself but if you do include photographs from the internet please be sure to cite the sources.

The follow criteria will be used when evaluating presentations:

- **Completeness:** Did the presentation address all aspects of the assignment?
- **Correctness:** Was the information presented accurate and correct? (Did you cite outside information?)
- **Neatness:** Was the information provided in an organized, readable manner?
- **Creativity:** Was the information presented in a manner was interesting or unique?
- **Helpfulness:** Was the presentation helpful in conveying the information to other students?

Lab Exams:

There will be two lab exams. The second exam will not be cumulative and will be limited to the material covered since the first exam.

Course Outline:

DATE	TOPIC/ASSIGNMENT
01/13/14	Introduction to Lab/Scientific Method
01/20/14	No Lab (MLK Holiday)
01/27/14	Microscopes/Mitosis
02/03/14	Genetic inheritance/DNA
02/10/14	Exam 1
02/24/14	Pond water lab
03/03/14	Foster Gardens Field trip
03/10/14	Plant anatomy/classification
03/17/14	Kaloko Cove field trip
03/31/14	Invertebrate Dissection
04/07/14	Vertebrate Dissection
04/14/14	Exam 2
04/21/14	Aquarium
04/28/14	TBD