

BI 101L General Biology I Laboratory
Various Locations
Fall 2011
Thurs. 1730-2140

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LABORATORY OUTLINE AND SYLLABUS

REQUIRED TEXT:

There is no required text. Lab materials/handouts will be distributed by the Instructor prior to the laboratory exercise.

COURSE MATERIALS:

1. A Laboratory Notebook (composition books work well). This notebook will be maintained accordingly and will contribute to the overall final lab grade.
2. A three-ring binder is also required to maintain lab handouts/assignments.

COURSE DESCRIPTION:

Concurrent Laboratory session for BI 101 lecture (you must also be enrolled in BI 101).

COURSE OBJECTIVES: Upon completion of this laboratory course, each student should...

- 1.) Understand basic Scientific Method used in the quest for understanding the physical world around us.
- 2.) Be able to keep and maintain a laboratory notebook in a neat and organized fashion.
- 3.) Grasp the concept of scientific writing, especially when preparing both laboratory reports as well as journal articles.

ATTENDANCE:

Full attendance is compulsory. A missed lab/lab report will count as a score of zero. Two missed lab session will result in a fail. Some labs may require offsite attendance (i.e. Chaminade University Main Campus, Waikiki Aquarium, Honoulu Zoo), as well as attendance on some Sundays (field trips).

GRADING CRITERIA:

There will be a total of ten laboratory reports due throughout the course of the semester. These are each worth ten points, for a total of 100 points for the semester. The lowest scoring lab report for the semester will be dropped. Lab reports are due one week after the lab session (the following lab day). Two missed lab session/lab reports results in failure of the laboratory course. There is also a participation credit (10 points) as well as a laboratory notebook check/hand-in at the end of the semester (20 points). The lowest lab report score from the semester will be dropped.

Category	Amount (#)	Points/assignment	Total Points	% of Final Grade
Lab Reports	10	10	100	77%
Lab Notebook	1	20	20	15%
Participation	1	10	10	8%

OFFICE HOURS:

Office hours are by appointment only. Time/place arrangements are best made via email.

General Biology I Laboratory – BI 101L
Fall 2011 - Tentative Course Schedule

Date

Topic

Week 1

Th-Oct. 6 *Lab #1- Scientific Method & Writing*

Week 2

Th-Oct. 13 EXAM I (BI 101)

Ch. 1-4

Sun-April 16 *Lab #2 – Field Trip: Honolulu Zoo*

1:00pm

Week 3

Th-Oct. 20 *Lab #3- Photosynthesis (Chaminade University)*
Room TBA

On Campus

Week 4

Th-Oct. 27 EXAM II (BI 101)

Ch. 5-8

Sun – Oct. 30 *Lab #4 – Field Trip: Foster Botanical Garden*

1:00pm

Week 5

Th-Nov. 3 *Lab #5 – DNA (Chaminade University)*
Room TBA

On Campus

Week 6

Th-Nov. 10 Exam III (BI 101)

Ch 9-12

Sun-Nov. 13 *Lab #6 – Field Trip: Waikiki Aquarium*

1:00pm

Week 7

Th-Nov. 17 *Lab #7 – Chemical Analysis of Food*

On Campus

Week 8

Th-Nov. 24 *Thanksgiving Day – No Lab*

Week 9

Th-Dec. 1 *Lab #8 – Evolution and Population Genetics*

Week 10

Th-Dec. 8 *Lab #9 – Charles Darwin*

Week 11

T-Dec. 13 *Final Exam (BI 101)*

Cumulative

**Last day to drop a class is October 11th, 2011*

***Last day to withdrawl (W) from a class is November 21st, 2011.*