

BI 101L General Biology I Laboratory
Various Locations
Spring 2011
Wed 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
Spring 2011 - Tentative Course Schedule

Date

Topic

Week 1

W-April 6 *Lab #1- Scientific Method & Writing*

Week 2

W-April 13 EXAM I (BI 101)

Ch. 1-4

Sun-April 17 *Lab #2 – Field Trip: Honolulu Zoo*

1:00pm

Week 3

W-April 20 *Lab #3- Photosynthesis (Chaminade University)*
Room TBA

On Campus

Week 4

W – April 27 EXAM II (BI 101)

Ch. 5-8

Sun – May 1 *Lab #4 – Field Trip: Foster Botanical Garden*

1:00pm

Week 5

W-May 04 *Lab #5 – DNA (Chaminade University)*
Room TBA

On Campus

Week 6

W-May 11 Exam III (BI 101)

Ch 9-12

Sun-May 15 *Lab #6 – Field Trip: Waikiki Aquarium*

1:00pm

Week 7

W-May 18 *Lab #7 – Chemical Analysis of Food*

Week 8

W-May 25 *Lab #8 – Evolution and Population Genetics*

Week 9

W-Jun 01 *Lab #9 – Charles Darwin*

Week 10

W-Jun 08 *Lab #10 - TBA*

Week 11

M-Jun 13 *Final Exam (BI 101)*

Cumulative

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

***Last day to withdrawl (W) from a class is May 23rd, 2011.*