

WE 03

COURSE: BI 101L-General Biology Lab
TIME: 1905-2110 M & W (Jan. 13 – Mar. 26, 2003)
INSTRUCTOR: Dr. Alan Ohta
email: aohta@chaminade.edu
OFFICE HRS: 1545 - 1645 M or by appointment

COURSE DESCRIPTION: The lab class for this course is designed to aide in your understanding of the function and interaction of the cell and its components. The way in which cells pass their information to other cells as well as to the next generation of cells will be investigated. Finally how organisms change from one generation to the next will be addressed.

OBJECTIVES:

1. To obtain practical knowledge of concepts and structures discussed in the lecture.
2. To promote scientific thinking and inquiry.
3. To enhance powers of observation and to be more scientifically observant.
4. To increase appreciation for the natural environment.

ASSIGNMENTS:

All lab exercises will require a written report using the format provided by the instructor. These reports will be due as announced by the instructor.

LABS:

1. Laboratory topics and assignments are listed in the course outline.
2. Examination dates are also listed in the course outline.
3. The instructor reserves the right to add, omit, or change the materials as he sees fit.

EXAMS, QUIZZES & GRADES:

1. All exams & quizzes are "open book & notes" & will consist of short essay questions. You will be grades on your ability not only to answer the question (some can be answered in several ways), but also in how effectively you can defend your answer/position using your knowledge of the subject & applying what you learned through the use of appropriate facts/examples. Thus all questions asking for your opinion or position, whether stated or not have an implied "Why?" or "How?" question attached.
2. Grades will be based on the following system & scale:

Grade Scale:

90% & above = A
80 - 89% = B
65 - 79% = C
50 - 64% = D
49% & below = F

Grading System:

Labs	75%
Final	25%

COURSE OUTLINE:

01/13/2003	Introduction	02/19	No lab (midterm)
01/15	Scientific Method	02/22	*Field Trip: Aiea ¹
01/20	Holiday: Martin Luther King Day	02/26	DNA
01/22	Metrics	03/03	Cell Division
01/27	Microscope Use	03/05	Population Genetics & Evolution
01/29	Biological Molecules/Enzymes ²	03/10	Human Genetics
02/03	No lab (double lecture)	03/15	* Field Trip: Aquarium ¹
02/05	Cell	03/17	Discussion (lab review)
02/10	No lab (double lecture)	03/19	Final Exam (Lab)
02/12	Diffusion (osmosis)/Photosynthesis ²	03/24	Time off from field trips
02/17	Holiday: President's Day	03/26	Time off from field trips

All lab writeups are due on the next lab period. No late labs will be accepted. If you are not attending lab for any reason e-mail your previous assignment to me by the date & time announced or the lab will be considered late. Missed labs cannot be made up unless a valid excuse is provided for your absence.

¹ These field trips will be held on Saturdays.

² These labs will be held on the Chaminade campus.