

BIOLOGY 102 Lab II**Course Syllabus**

Chaminade University
Fall 2003
M 2:00-4:50 pm
H 13

Instructor: Dr. Spencer Hamada
Office: H 16
Office Hours: M 12:00-1:00/or/appointment
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TEXTBOOK: There is no text to be purchased for this course. Handouts will be provided to you for each lab. These handouts must be placed into a binder in the order used in the lab and turned in at the last lab meeting for grading.

COURSE DESCRIPTION: Biology 102L is a semester course designed for students not majoring in the natural sciences. The goal of the course is to provide the student with an understanding of the central concepts in: plant and animal anatomy-physiology; evolutionary theory-systematics, and ecology. Additionally, this course provides non-science majors with an appreciation of the scientific approach to problem-solving and the increasing role biology plays in daily life.

Lab attendance is required. This includes labs with field trips. Please note there is only one lab section (M 2:00). Laboratory absences that are approved by the instructor prior to the lab are excused. Unexcused absences will result in the lowering of the final grade by half-a-letter grade.

COURSE OBJECTIVES: Upon completion of this course, the successful student should be able to:

1. Develop an understanding of the basic methods and concepts in biology.
2. Describe the characteristics and life processes.
3. Discuss the evolution and ecology of living things.
4. Develop an understanding of the structure and function of the human body.

GRADING: Grading will be based on the following:

Quizzes	25%
Lab Written Assignments	20%
Lab Report (Note Book)	15%
Lab Practical Test	20%

Tests will cover material covered in the lab and field trips. The format for all tests will be multiple choice, short answer essay, and practical (specimens or experiments displayed for your identification). Quizzes may be given at the beginning of class on the subject matter of that day (except of course the first lab). Quizzes will not be made up if you are late or absent. One quiz grade will be dropped at the end of the semester. More information about the lab report and the lab practical will be given in the laboratory.

Final grades will be calculated according to the following scale:

A	90-100%
B	80-89%
C	67-79%
D	55-66%
F	<55%

EXTRA CREDIT: Extra credit points can be earned by a class presentation (15 mins) of a relevant biologically topic. Turn the title(s) of your topic by the fourth week of classes (Sept 24-26) for review and scheduling. Please prepare a one-page hand out for your fellow students. It should include an introduction of the subject, the problem it poses, techniques utilized, and the advantages/dis-advantages. This one-page handout should be handout before the presentation. Each student may give one presentation, each worth between 1-10 percentage points. These points will be added to your final average, and may help boost you up to the next letter grade.

ACADEMIC HONESTY: Academic honesty is expected in all areas of the course. Students are expected to do their own work and uphold the honor code. Any cheating will result in an appointment with the Dean of Students.

ATTENDANCE: Attendance will be taken. Contact the instructor (by phone or e-mail=preferred) to schedule make-up work. Tests should be made up within one week, before or after class. Ten points will be deducted for assignments handed in late. The lab practical will **not** be made up except under extreme circumstances. Please discuss any circumstances for absence or late work as adjustments can be made.

STUDY SUGGESTIONS: At most Universities and Colleges, a 3 credit lecture course translates into 6 hours of at home-study every week by the average student to get a "C" or 2.0 grade; 9 hrs to obtain a "B" grade or 3.0 and (3 crd hrs x 4.0) 12 hrs for a 4.0 grade. A 1 credit lab translates into two hours of home study every week by the average student to get a "C: in the course; 3 hours of home study every week to obtain a "B".

NONDISCRIMINATION POLICY: I uphold the Hawaii's nondiscrimination policy in my class. Any discriminatory acts or language on the basis "race, sex, sexual orientation, age, religion, color ancestry, political affiliation, disability, martial status, and court record" will NOT be tolerated.

SCHEDULE: the following is a TENTATIVE schedule of labs for this course. Changes may be may as deemed necessary during the course of the semester. Any changes will be announced as soon as possible.

<u>Week of--</u>	<u>Lab Assignment</u>
1st 8/25	Lab 1 Introduction Video "Death by Design"
2nd 9/1	<i>Holiday – Labor Day</i> Trip to The Waikiki Aquarium
3 rd 9/8	Evolution and Population Biology
4 th 9/15	Evolution on an Island
5 th 9/22	Systematics lab
6 th 9/28	Microbes, Microscopes, and Antibiotic Sensitivity Experiment & Scientific Method