

SSE '02

BI 102 – General Biology II Summer 2002

Lisa Nagai, M.S., R.D.

M W 5:30-9:55 PM Schofield

255-4244

Chaminade University of Honolulu

lnagai@chaminade.edu

LECTURE COURSE OUTLINE AND SYLLABUS

TEXT:

Audesirk, Teresa, Gerald Audesirk and Bruce E. Byers. 2002. BIOLOGY: LIFE ON EARTH. 6th edition. Prentice Hall.

COURSE DESCRIPTION:

Biology 102 is a general biology course for non-science majors. The focus is on organismal biology that will survey the principles of anatomy and physiology of both plants and animals, the systematics of microbes, fungi, plants and animals, and the principles of evolution and speciation.

GOAL: For students to gain an appreciation for science.

OBJECTIVES FOR STUDENTS: At the end of the course each student will be able to:

1. Understand the evidence for evolutionary theory and its concepts including the major forces that cause evolution at both the macro- and micro-levels;
2. Know and understand mechanisms of speciation;
3. understand the principles of systematics and taxonomy including the characteristics by which organisms are placed into kingdoms, phyla, orders, etc.
4. understand the basics and evolutionary aspects of the anatomy and physiology of plants that are important in reproduction, mineral, and water transport and photosynthesis;
5. understand the anatomy and physiology of major organ systems in animals including the circulatory, respiratory, digestive, immune, excretory and reproductive systems. The focus will be on human anatomy and physiology.

LECTURES:

1. Lecture topics and reading assignments are listed in the lecture outline.
2. Supplemental readings may be assigned during the course.
3. The lecture schedule is subject to change if deemed necessary by the instructor.

GRADE DETERMINATIONS:

Since lecture and laboratory are two distinct classes, separate grades will be given for each course.

Two midterm exams (100 points each):	200 points
Pop Quizzes (10 points each):	100 points
FINAL lecture exam	125 points

90-100%	A
80-89.9%	B
70-79.9%	C
60-69.9%	D
<59.9%	F

The lowest grade from the two midterms or cumulative quizzes will be dropped.

No makeup exams will be administered. If you miss an exam, that will be the grade that is dropped from the accumulative exam/quiz portion of your grade. *Any quiz or exam the student fails to take at the appointed time cannot be made up.*

Pop Quizzes. Quizzes are conducted at the beginning of class. Late individuals will not be able to make up the quiz.

Attendance. Your attendance to each class will be noted. You are encouraged to come to class, listen to lecture and take notes. Due to short duration of the evening sessions (i.e. 10 weeks) it is important that you come to class. It is not fair to rely on your classmates for their notes and work when you do not attend.

Late Papers- Biology Department Policy: Papers submitted within 24 hours after the due date are **lowered by one letter grade**. Papers submitted after 24 hours after the due date are NOT accepted.

Class standing, office hours, and extra help:

1. Students may obtain their grades at any time by consulting with the instructor. Students with D or F grades will receive deficiency notices. It is recommended that students receiving deficiency notices make an appointment to see the instructor.
2. Although there is no office hours, students are encouraged to arrange a place and time to meet with their instructor.
3. Tutoring services are available through the Chaminade University Learning Center.

Important Notices:

1. Comments and suggestions concerning any aspect of the course are encouraged, but instructional, departmental, and collegiate policies and responsibilities necessitate all final decisions to reside with the instructor.
2. Because the university is an academic community with high professional standards, its teaching function is seriously disrupted and subverted by academic dishonesty. Such dishonesty includes, but is not limited to, cheating, which includes giving/receiving unauthorized assistance during an examination; obtaining information before it is given, using inappropriate/unallowed sources of information during an examination; altering answers after an examination has been submitted; and altering the record of any grade. Any form of academic dishonesty will not be tolerated.
3. If you need special accommodations due to a physical or learning disability, please let me know right away.

Note: Every effort has been made to insure that the material in this syllabus and course outline is accurate and complete. However, occasionally changes must be made in the printed schedule. Thus, the instructor reserves the right to make any changes in the contents of this syllabus or the course of study that she deems necessary or desirable. These changes, if any will be announced as soon as the need for them becomes apparent.

TENTATIVE COURSE OUTLINE

WEEK	TOPIC	READING	REMINDERS
1 July 1 – 3	Introduction to biology; cells Animal body organization; Nutrition & Digestion	Ch. 6 Ch. 26 Ch. 29	
2 July 8-10	July 8 (Monday) – field trip in lieu of class Digestion, cont.	 Ch. 29	
3 July 15-17	Circulation; Respiration; Urinary system	Ch. 27 Ch. 28 Ch. 30	
4 July 22-24	Immune system; Endocrinology; MIDTERM EXAM #1: JULY 22 (MONDAY) – Ch. 26-32	Ch. 31 Ch. 32	
5 July 29-31	Reproduction	Ch. 35	
6 Aug 5-7	Principles of evolution, how organisms evolved, origin of species	Ch. 14-17	
7 Aug 12-14	Evolution, cont. Systematics; Animal kingdom	 Ch. 22	Field trip: Waikiki Aquarium
8 Aug 19-21	Plants MIDTERM EXAM #2: July 19 (MONDAY) – Ch. 14-17, 22	Ch. 21	August 19 – Last day to withdraw from class.
9 Aug 26-28	Plant physiology and anatomy Plant reproduction	Ch. 23 Ch. 24	Field trip: Foster Botanical Garden
10 Sept 2-4	Sept 2: HOLIDAY LABOR DAY. Fungi Microbes	 Ch. 20 Ch. 19	
11 Sept 9 (Mon)	FINAL EXAM – Ch. 19-24		