BI 102 - General Biology Fall 2001
T Th 8-9:20 AM Henry Hall 17
Chaminade University of Honolulu

Dr. **Joan Kuh**
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INSTRUCTOR INFORMATION: My *office is in Henry Hall 16. 1 can be reached at 735-4807 (or 807 from a campus phone) or at* jkuh chaminade.edu. *My office hours during which you can drop in and ask questions (no appointment necessary) are MWF 11-12; T Th 9:30-10:30. If you can not make it during these times, call or email me to set up a time that is convenient for both of us.*

LECTURE COURSE OUTLINE AND SYLLABUS

TEXT:

Audeskirk, Gerald and Teresa Audeskirk. 1999. BIOLOGY: LIFE ON EARTTH. 5th edition, Macmillan Publishing, Co.

COURSE DESCRIPTION:

BI 102 is a general biology course for non-science majors and surveys the principles of evolution and speciation, the systematics of microbes, fungi, plants and animals and the anatomy and physiology of both plants and animals.

GOALS OF THE COURSE: At the end of the course each student should:

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 and how they have evolved.**

LECTURES:

1. Lecture **topics and reading assignments are listed in the lecture outline. See the outline for examination dates.**
2. **Supplemental readings may be** assigned during the course.
3. **While great care has gone into formulating the lecture schedule and accompanying reading assignments, it is subject to change if deemed necessary by the instructor.**

GRADE DETERMINATIONS:

1. Since lecture and laboratory are two distinct classes, separate grades will be given for both.
2. Grades will be derived from four of five components: homework assignments (100 points), two midterm exams (100 points each), quizzes (100 points total) and a FINAL lecture exam (150 points). The lowest grade from the two midterms or cumulative quizzes will be dropped.
3. No makeup exams will be administered. If you miss an exam, that will be the grade (e.g., zero) that is dropped from the accumulative exam/quiz portion of your grade.
4. The final exam grade cannot be dropped. And any quiz or exam the student fails to take at the appointed time cannot be made up.
5. Tentatively, grades will be assigned as A >or= 90%, B >or= 80%, C >or= 70% and D >or=60% of the possible points. Before the November 9 deadline to drop classes, students currently receiving a D or F will be notified with deficiency reports. Students who receive one of these reports should come see the instructor.

ABSENCES:

Attendance in class is important and will be noted at each class meeting. An absence due to illness will be excused if you present a form from a doctor. Other stressful situations that result in absences may be excused (death in the family as an example) but notify the instructor as soon as it's feasibly possible. Athletes, notify the instructor if you have a game PRIOR to your absence. I will allow TWO UNEXCUSED absences over the semester. After that, for each unexcused absence, 5 points will be deducted from a "pool" of 15 points. At the end of the semester, in calculating final grades, this amount will be added onto the total number of points which may or may not make a positive difference in your final grade. Excessive missing of class (>9 unexcused absences or ~1/3 of class meetings) will result in a failing grade for this class.

QUIZZES & ASSIGNMENTS:

There will be a quiz every Thursday (however, not when there is an exam) in the first ten minutes of class. Individuals late to class will not be allowed to take the quiz. Recommended questions from the end of the chapters we are covering and homework assignments will serve as study guides for the quizzes. Homework assignments will be due the first Thursday after they are assigned. No late assignments or quizzes will be allowed unless you have an excused absence (see above).

BI 102 General Biology I

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Date	Topic	Reading
T-8/28	Introduction, Living vs non-living things	Chapter 1 (pp 1-8)
Th-8/30	Cells, DNA and continuity of life	Chapter 6; Chapter 9, Chapter/ l
T-9/04	Principles of Evolution	Chapter 14
Th-9/06	How Organisms Evolve	Chapter 15
T-9/11	*continued*	
Th-9/13	*continued*	
T-9/18	The Origin of Species (Darwin)	Chapter 16
Th-9/20	*continued*	
T-9/25	History of Life 4n Earth, Human Evolution	Chapter 17
Th-9/27	Midterm I	
T-10/02	Systematics/Microbes	Chapter 18 &Chapter 19
Th-10/04	Microbes	Chapter 19
T-10/09	Fungi	Chapter 20
Th-10/11	Plants	Chapter 21
T-10/16	Plants/Animal Kingdom	Chapter 22
Th-10/18	*continued*	
T-10/23	*continued*	
Th-10/25	Plant Physiology and Anatomy	Chapter 23
T-10/30	*continued*	
Th-11/O1	Plant Reproduction	Chapter 24
T-11/06	Midterm II	
Th-11/08	Animal Body Organization	Chapter 26
T-11/13	Circulation	Chapter 27
Th-11/15	Respiration	Chapter 28
T-11/20	Nutrition & Digestion	Chapter 29
Th-11/22	Thanksgiving Recess	
T-11/27	Urinary System	Chapter 30
Th-11 /29	Immune System	Chapter 31
-12/04	Reproduction	Chapter 35
Th-12/06	Review/wrap-up	

T-12/11 FINAL EXAM @ 8:00-10:00 AM

Underlined dates indicate quiz dates.

Last day to drop a class is November 9, 2001.