

BI 102 - General Biology II Spring 2002
T Th 12:30-1:50 AM Henry Hall 17
Chaminade University of Honolulu

Dr. Joan Kuh
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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:

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

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 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 each course.
2. **Grades will** be derived from ~~four~~ **five components**: two midterm exams 100 **points** each), quizzes (100 points total) and a FINAL lecture exam (150 points). The lowest grade from the three 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. *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 April 8 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.

ATTENDANCE:

Your attendance to each class will be noted. You are encouraged to come to class, listen to lecture and take notes. Lecture presentations, while presented on PowerPoint, will not be available on any website. Two UNEXCUSED absences will be allowed. After that, from a pool of 15 EXTRA CREDIT points, five points will be deducted for each unexcused absence.

QUIZZES:

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. Key terms, multiple choice and review questions at the end of each chapter should be used as a study guide.

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Tentative Course Schedule

Date	To ic	Reading
T-Jan 15	Introduction, Living vs non-living things	Chapter 1 (pp 1-8)
Th-Jan 17	Cells, DNA and continuity of life	Chapters 6, 9 & 11
T-Jan 22	Principles of Evolution	Chapter 14
Th-Jan 24	How Organisms Evolve	Chapter 15
T-Jan 29	<i>continued</i>	
<u>Th-Jan 31</u>	<i>continued</i>	
T-Feb 05	The Origin of Species (Darwin)	Chapter 16
<u>Th-Feb 07</u>	<i>continued</i>	
T-Feb 12	History of Life on Earth, Human Evolution	Chapter 17
Th-Feb 14	Midterm I	Ch. 1, 9,11,14-16
T-Feb 19	Systematics/Microbes	Chapter 18 &Chapter 19
<u>Th-Feb 21</u>	Microbes	Chapter 19
T-Feb 26	Fungi	Chapter 20
<u>Th-Feb 28</u>	Plants	Chapter 21
T-Mar 05	Plants/Animal Kingdom	Chapter 22
Th-Mar 07	<i>continued</i>	
T-Mar 12	<i>continued</i>	
Th-Mar 14	Midterm II	Chapters 17-22.5
T-Mar 19	Plant Physiology and Anatomy	Chapter 23
Th-Mar 21	<i>continued</i>	
	<i>Spring Break March 25-March29</i>	
T-Apr 02	Plant Reproduction	Chapter 24
<u>Th-Apr 04</u>	Animal Body Organization	Chapter 26
T-Apr 09	Circulation	Chapter 27
<u>Th-Apr 11</u>	Respiration	Chapter 28
T-Apr 16	Nutrition & Digestion	Chapter 29
<u>Th-Apr 18</u>	Urinary System	Chapter 30
T-Apr 23	Midterm III	Chapters 22-24, 26-29
Th-Apr 25	Immune System	Chapter 31
T-Apr 30	Reproduction	Chapter 35
Th-May 02	Endocrinology/Review	Chapter 32
T-May 07	FINAL EXAM @ 12:45-2:45 PM Henry Hall 17	

Last day to drop a class is April 8, 2002.