BI 101 General Biology I – Spring 2011
Kaneohe Marine Corps. Base Hawaii (KMCBH)
Tues./Thurs. 1730-2140
10/4/2011 - 12/13/2011

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LECTURE COURSE OUTLINE AND SYLLABUS

REQUIRED TEXT:
Audesirk, Audesirk and Byers. BIOLOGY – LIFE ON EARTH . 9th Edition (2011). Pearson Education (Benjamin Cummings Publishing).

COURSE DESCRIPTION:
Overview of basic biological principals, human concerns of overpopulation, environmental pollution, and genetic engineering. Concurrent registration in BI 101L required.

COURSE OBJECTIVES: Upon completion of this course, each student should…

1.) Understand the basic biology of life, including fundamental cell biology and evolution on both the macro- and micro- scale.
2.) Recognize the importance of the scientific method and its role in the quest for knowledge.
3.) Become familiar with the fundamental biomolecules and processes of life.
4.) To promote an appreciation for the complexity of the living systems surrounding us.

LECTURES:
Lecture topics as well as reading assignments and exams are listed in the course outline (below). Great care has gone into preparing this course and the accompanying lecture schedule. However, the timeline is subject to change if deemed necessary by the instructor.

ACADEMIC HONESTY:
All university policies regarding academic integrity are in effect and are strictly enforced. These can be viewed at (http://www.chaminade.edu/student_life/documents/student_handbook.pdf).

GRADE DETERMINATIONS:
There are separate grades and grading criteria for BI 101 (3 credits) and BI 101L (1 credit).

Categroy	Amount (#)	Points/assignment	Total Points	% of Final Grade
Homework	9	10	90	26%
Midterm Exam	3	50	150	43%
Final Exam	1	100	100	29%
Participation	1	10	10	2%

All assignments are due at the beginning of class on the indicated day. No late assignments will be accepted. Exams, including the final must be taken during the scheduled time. Only absences with proper support documentation will be considered.

No make-up homework or exams will be administered. A missed assignment/exam will result in a score of zero. The lowest of the nine homework scores as well the lowest of the three mid-term exam scores will be excluded from the final grade determination (the final exam cannot be dropped). No extra credit is available. Although BI 101L is a separate grade it is a co-requisite of BI 101. A failing grade in lab will result in an Incomplete/Fail in BI 101 lecture. More than two (2) unexcused laboratory absences will count as a fail (see lab syllabus).

Final Grades will be (tentatively) assigned as follows:

A: 90-100%
B: 80-89%
C: 70-79%
D: 60-69%
F: 0-59%

ATTENDANCE:

Attendance is compulsory. You must be in class to receive the homework assignment. Homework assignments will only be accepted at the beginning of class 1 week after they are assigned. Late assignments will not be accepted. A missed exam will result in a score of zero, no makeup exams will be administered (see grade determination).

OFFICE HOURS:

Office hours are by appointment only. Time/place arrangements are best made via email. I have provided my cell phone for emergencies; please **do not** call outside business hours (9:00am-6:00pm).

General Biology I – BI 101
Fall 2011 - Tentative Course Schedule

Date	Topic	Reading
Week 1		
T-Oct. 4	Introduction to Life	Chapter 1
	Atom, Molecule & Life	Chapter 2
Th-Oct. 6	*Lab #1 - Scientific Method and Writing*	
Week 2		
T-Oct. 11	Biological Molecules	Chapter 3
	Energy Flow in Cells	Chapter 4
Th-Oct. 13	**EXAM I**	**Ch. 1-4**
Su- Oct. 16	*Lab #2 - Field Trip (Honolulu Zoo)*	*1:00pm*
Week 3		
T-Oct. 18	Cell Membranes	Chapter 5
	Cell Structure and Function	Chapter 6
Th-Oct. 20	*Lab #3 - Photosynthesis (On Campus)*	*(Cham. Uni.)*
Week 4		
T-Oct. 25	Photosynthesis	Chapter 7
	Glycolysis & Cellular Respiration	Chapter 8
Th-Oct. 27	**EXAM II**	**Ch. 5-8**
Su- Oct. 30	*Lab #4 - Field Trip (Foster Botanical Garden)*	*1:00pm*
Week 5		
T-Nov. 1	DNA	Chapter 9
	Gene Expression & Regulation	Chapter 10
Th-Nov. 3	*Lab #5 - DNA (On Campus)*	*(Cham. Uni.)*
Week 6		
T-Nov. 8	Cellular Reproduction	Chapter 11
	Patterns of Inheritance	Chapter 12

Th-Nov. 10	**EXAM III**	**Ch. 9-12**
Su- Nov. 13	*Lab #6 - Field Trip (Waikiki Aquarium)*	*1:00pm*

Week 7

T-Nov. 15	Biotechnology	Chapter 13
Th-Nov. 17	*Lab #7 - Chemical Analysis of Food*	

Week 8

T-Nov. 22	Principals of Evolution	Chapter 14
	How Populations Evolve	Chapter 15
Th-Nov. 24	*Thanksgiving Day (No Class)*	

Week 9

T-Nov. 29	Origin of Species	Chapter 16
	The History of Life	Chapter 17
Th-Dec. 1	*Lab #8 - Evolution and Population Genetics*	

Week 10

T-Dec. 6	Systematics: Order Amidst Diversity	Chapter 18
Th-Dec. 8	*Lab #9 - Charles Darwin*	

Week 11

T-Dec. 13	**Final Exam**	**Cumulative**

**Last day to drop a class is October 11th, 2011*
***Last day to withdrawl (W) from a class is November 21st, 2011.*