FD '02

COURSE: BI 102-General Biology (Lecture)
TIME: 10:00-10:50 am MWF (Aug. 26 - Dec. 12, 2002)
INSTRUCTOR: Dr. Alan Ohta,
email: ohta@i-one.com
OFFICE HRS: 9:00-10:00 am MW or by appointment
TEXT: *Biology Life on Earth*, 6th ed. by Teresa & Gerald Audesirk, Prentice Hall, 2002.

COURSE DESCRIPTION: This course is designed to complete your introduction to the Biological Sciences. Concepts learned in the first half of the course will be applied to the organismal level of life. Biological systems as adaptations to a multicellular existance will also be investigated.

OBJECTIVES:

1. to provide a sound background of biological systems (function & structure).
2. to promote an appreciation for the complexity of living organisms.
3. to promote critical thinking in applying concepts.
4. to promote an appreciation for the vast amount of biodiversity & their interrelationship in the ecosystem.

LECTURES:

1. Lecture topics and text assignments are listed in the course outline.
2. Examination dates are also listed in the course outline.
3. The instructor reserves the right to add, omit, or change the materials as he sees fit.

EXAMS, QUIZZES & GRADES:

1. All exams & quizzes are "open book & notes" & will consist of short essay questions. You will be graded on your ability not only to answer the question (some can be answered in several ways), but also in how effectively you can defend your answer/position using your knowledge of the subject & applying what you learned through the use of appropriate facts/examples. Thus all questions asking for your opinion or position, whether stated or not have an implied "Why?" or "How?" question attached.
2. Any exams and/or quizzes missed cannot be made up without a valid excuse.
3. Grades will be based on the following system & scale:

Grade Scale:		Grading System:	
90% & above	= A	Quizzes	30%
80 - 89%	= B	Mid Term	30%
65 - 79%	= C	Final	40%
50 - 64%	= D		
49% & below	= F		

COURSE OUTLINE:

08/26 Course introduction
08/28 Evolution: Principles (Chap. 14)
08/30 Evolution: Mechanisms (Chap. 15)

09/02 Holiday: Labor Day
09/04 Evolution: Speciation (Chap. 16)
09/06 Origins of life (Chap. 17)

09/09 Classification of Life (Chap. 18)
09/11 Microbes (Chap. 19)
09/13 Fungi (Chap. 20)

09/16 Plants: Origins & Features (Chap. 21)
09/18 Plants: Structures (Chap. 23)
09/20 Plants: Transport System (Chap. 23

09/23 Plants: Reproduction (Chap. 24)
09/25 Plants: Development (Chap. 24)
09/27 Plants: Hormones (Chap. 25)

09/30 Plants: Behavior (Chap. 25)
10/02 Animals: Characteristics (Chap. 22)
10/04 Animals: Classifications (Chap. 22)

10/07 Homeostasis: Constancy (Chap. 26)
10/09 Circulatory System: Types (Chap. 27)
10/11 Circulatory System: Blood (Chap. 27)

10/14 Holiday: Discover's Day
10/16 Midterm Exam
10/18 Respiratory System: Types (Chap. 28)

10/21 Respiratory System: Human (Chap. 28)
10/23 Digestive System: Types (Chap. 29)
10/25 Digestive System: Needs (Chap. 29)

10/28 Excretory System: Types (Chap. 30)
10/30 Excretory System: Human (Chap. 30)
11/01 Immune System: Organs (Chap. 31)

11/04 Immune System: Response (Chap. 31)
11/06 Endocrine System: Structure (Chap. 32)
11/08 Endocrine System: Hormone (Chap. 32)

11/11 Holiday: Veteran's Day
11/13 Nervous System: Structures (Chap. 33)
11/15 Nervous System: Brain (Chap. 33)

11/18 Muscular System: (Chap. 34)
11/20 Skeletal System: (Chap. 34)
11/22 Reproductive System (Chap. 35)

11/25 Reproductive System (Chap. 35)
11/26 Development (Chap. 36)
11/29 Holiday: Thanksgiving

12/02 Development (Chap. 36)
12/04 Behavior (Chap. 37)
12/06 Course in Retrospect

12/12 Final Exam (10:30-12;30)