FE '02

COURSE: BI 110 - People and Nature (Lecture)
TIME: 1950-2155. MW
INSTRUCTOR: Dr. Alan Ohta
email: alohta@hotmail.com
OFFICE HOURS: MW 1850-1950 or by appointment.
TEXT: *Environmental Science*, 8th ed. (2001), G. Tyler Miller, Jr.
COURSE DESCRIPTION: This course is designed to introduce you to our relationship with the natural environment and the consequences of our actions/inaction in dealing with it. In order to do this we must look at not only the purely scientific aspects of our world but we must also incorporate man's social aspects as well. Thus we will be combing ideas and information from both the natural sciences (i.e., biology, geology, physics, chemistry, etc.) and the social sciences (i.e., economics, politics, ethics, etc.) to try to gain an understanding of man's present relationship with the environment, what historical events have brought us here and what we must accomplish to in sure our survival through the next millennium.

OBJECTIVES:

1. To gain some basic knowledge of the processes of our natural environment.
2. To increase awareness of the complex relationships among all living things and their non-living environment.
3. To examine man's past and present relationship with his environment and the possible affects of these relationships on our future.
4. To increase awareness of the environmental problems facing us today and to present some solutions to these problems.
5. To enhance your knowledge and awareness of our environmental problems to enable more informed political and economic decisions.

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. Quizzes will be unannounced & if missed cannot be made up w/o 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:

10/07/2002	Introduction to Science (Chap 3)
10/09	Environmental Problems: An Overview (Chap. 1)
10/14	Holiday: Discoverer's Day
10/16	Earth History
10/21	Evolution (Chap. 5)
10/23	Ecology & Ecosystems (Chap. 4)
10/28	Climate & Biomes (Chap. 6)
10/30	Water Resources & Pollution (Chap 12)
11/04	Air & Air Pollution (Chap 10)
11/06	Global Warming & the Ozone Layer (Chap. 11)
11/11	Holiday: Veteran's Day
11/13	Midterm Exam
11/18	Minerals & Soils (Chap 13)
11/20	Food Resources (Chap 15 & 16)
11/25	Wastes & Hazardous Materials (Chap 14)
11/27	Non-renewable Resources (Chap 19)
12/02	Renewable Resources (Chap 20)
12/04	Population Dynamics (Chap. 7)
12/09	Population Growth: The Ultimate Problem (Chap 9)
12/11	Politics & Economics vs Environment (Chap 2)
12/16	Sustaining Systems (Chap 17 & 18)
12/18	Final Exam