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COURSE: 13111 0-People and Nature (Lecture)

TIME: 1645-1850 T & Th (Jan. 11 - Mar. 23, 2000)

INSTRUCTOR: Dr. Alan Ohta,

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OFFICE M: 1545 ▪ 1645 T or by appointment

TEXT: *Environmental Science*, 7th ed. (1999), 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 combining 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 insure 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.
4. **Grades will** be based on the following system & scale:

Quizzes	30%
Midterm Exam	30%
Final Exam	40%

Grade Scale

90% & above	= A
80 - 89%	= B
65 - 79%	= C
50 - 64%	= D
49% & below	= F

COURSE OUTLINE:

01/11/2000	Introduction to Science (Chap 3)
01/13	Earth History
01/18	Evolution
01/20	Environmental Problems: An Overview (Chap 1 & 2)
01/25	Ecology & Ecosystems (Chap 4 & 5)
01/27	Ecology (con't)
02/01	Water Resources (Chap 11)
02/03	Water Pollution
02/08	Air & Air Pollution (Chap 9)
02/10	Climate & Weather (Chap 10)
02/15	Midterm Exam
02/17	Minerals & Soils (Chap 12)
02/22	Food Resources (Chap 14)
02/24	Wastes & Hazardous Materials (Chap 13 & 15)
02/29	Non-renewable Resources (Chap 19)
03/02	Renewable Resources (Chap 18)
03/07	Population Growth: The Ultimate Problem (Chap 6)
03/09	Politics & Economics vs Environment (Chap 7)
03/14	Sustaining Systems (Chap 16 & 17)
03/16	Solutions (?)
03/21	The Environment: Course in Retrospect
03/23	Final Exam