

COURSE: BI 110 - People and Nature (Lecture)

TIME: 9:40 - 12:50 a.m. - MWF

INSTRUCTOR: Dr. Alan Ohta

OFFICE HOURS: T, Th. 1:00 - 3:00 p.m.

TEXT: *Environmental Science*, 6th ed. (1997), 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 in ~~sure~~ **4W 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 to be made.

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% = A

80% = B

65% = C

50% = D

COURSE OUTLINE:

05/17/99	Course/subject introduction (Chap 3)
05/19	Life: Origins & characteristics
05/21	Evolution
05/24	Environmental Problems (Chap 1 & 2)
05/26	Ecosystems Chap 4 & 5)
05/28	Air & Air Pollution (Chap 9 & 10)
05/31	Holiday: Memorial Day
06/02	Water Resources (Chap 11)
06/04	Midterm Exam
06/07	Soil & Agriculture (Chap 12, 14 & 15)
06/09	Toxins, Wastes & Health (Chap 8 & 13)
06/11	Holiday: Kamehameha Day
06/14	Energy (Chap 18 & 19)
06/16	Alternative Energy
06/18	The Ultimate Problem: Human Population Growth (Chap 6)
06/21	Economics & Politics vs. Environment (Chap 7)
06/23	Solutions(?): Sustaining systems (Chap 16 & 17)
06/25	Final Exam

COURSE: BI 1101,- People and Nature (Lab)

TIME: 9:40 - 12:50 a. m. - T Th

INSTRUCTOR: Dr. Alan Ohta

OFFICE HOURS: T, Th. 1:00 - 3:00 p.m.

COURSE DESCRIPTION: The lab class for the course People and Nature is designed to show man's *affect* on the Hawaiian environment. Thus we will be learning some natural history of the Hawaiian Islands and will also go on several field trips to places which show man's impact on paradise. We will also be visiting areas where some of the native flora and fauna still exist and have recently been protected from development.

OBJECTIVES:

1. To increase awareness of the uniqueness of our local environment.
2. To observe man's impact on the Hawaiian environment.
3. To increase awareness of the environmental problems facing Hawaii today.
4. To observe some of the steps taken to protect the Hawaiian environment.
5. To increase appreciation for the natural environment.

ASSIGNMENTS:

All field trips will require a short written report (no more than 1 page) on your impressions of the exercise. What did you learn? How will this affect your future actions, thinking? What impressed you the most? Solutions?

Your reports will be due on the lab period following the field trip.

GRADING:

Grades will be based on the following system & scale:

Field trip & lab reports	75%
Final Exam	25%

Grade Scale

90% = A

80%=B

65% = C

50% = D