Bio 11010 - People & Nature
Chaminade University of Honolulu

Spring Evening 2000
Mrs. N. Chee

COURSE OUTLINE/SYLLABUS

The environmental problems confronting us today, i.e., population growth, wasted resources, destruction/degradation of natural habitats, poverty and pollution, are almost overwhelming. As earth creatures, we desperately need to find solutions that will enable us to survive into the future, over 100's, 1000's of years.

To do so, it is not enough to obtain ideas and information from only the natural sciences, but we must also seek the views of the social sciences (economics, politics, ethics) as well.

This course will attempt to cover basic principles and concepts and relate them to key environmental issues, and particularly as they relate to our fragile island ecology.

TEXT: ENVIRONMENTAL SCIENCE, G. Tyler Miller, Jr., 1998, 7th Edition, Wadsworth Publishing, Belmount, CA.

Outside material will also be used.

STUDENT OBJECTIVES:

(1) to understand man's relationship to nature.

(2) to understand how ecosystems work... and how we have affected them.

to compare and understand the conflicting differences between developing and developed societies.

(4) to understand the causes and connection of Environmental and Resources problems.

COURSE OUTLINE:

1. Text assignments and lecture/lab topics are listed in the given outline.

2. Examination dates and other important dates are also given.

3. Supplemental readings may be assigned during course.

4. Instructor reserves right to add or omit material.

5. There will be six quizzes given as scheduled. If you miss the class, you can make up a quiz at the next meeting. Unless you submit a valid excuse, there will be no makeup quiz after that.

6. A valid acceptable excuse must be given for any missed lecture or lab exam. Otherwise there will be no makeup.

LABORATORIES

1. Students are expected to prepare for a lab assignment prior to the scheduled date.

2. Any lab handouts will be given to student ahead of time.

3. There will be two Saturday labs. The first will be held at the Chaminade University Audiovisual Lab, Rm.109, as scheduled at 7:00 - 8:30 pm. The second Saturday lab will be a field trip to Kaena Point, as scheduled, at 9:00 - 1:00 pm.

4. All other labs will be as scheduled unless otherwise advised.

5. Instructor reserves right to add or omit material.

GRADING

The grading system for lecture and lab ...and the grade scale are as follows:

Lecture:

		SCALE
1st lec exam=	100 pts.	
2nd lec exam=	100 pts.	88% = A
Quizzes	60 pts.	78% = B
Final :	100 pts.	64% = C
Total	360 pts.	501=D

Laboratory:

		SCALE
Lab Midterm:	100 pts.	
Worksheets:	40 pts.	
Research Paper:	100 pts.	88% = A
		78% = B
Total:	240 pts.	64% = C
		50% = D

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DATE	TOPIC	ASSIGNMENT
4/3/00	(1) Environmental Problems	Ch.1
4/5	(2) Cultural Changes; Ethics QUIZ #1	Ch.2
4/8	LAB #1 - at Chaminade A-V Rm (Pat Ching, the Artist, will be giving a presentation on Seabirds and his work on the NW Islands)	Saturday 7:00-8:30 Fm
4/10	(3) Principles & Concepts QUIZ #2	Ch.3
4/12	LAB #2 - Guest Lecturer Margo Stahl of USFWS re: Jas.Campbell Wildlife Preserve, Kahuku	HANDOUTS
4/17	(4) Ecosystems (Lab Research Report topics due 6/5/00)	Ch.4
4/19	(5) Ecosystems QUIZ #3	Ch.5
4/22	LAB #3 - Kaena Pt. (Meet at end Mokuleia Rd.,Need 4x4s to ease our getting to main entry)	Saturday 9:00 - 1:00 pm
4/24	(6) Human Population	Ch. 6
4/26	FIRST LEC. EXAM (Ch. 1 thru 6)	
5/1	(7) Air & Water	Ch.9-11 (selected parts)
5/3	LAB MIDTERM	
5/8	(8) Soil & Minerals QUIZ #4	Ch,12
5/10	LAB #4 - Guest Lecturer Laura Torre re: Hawaii's Whales	

Bio 11010 - SCHEDULE

5/15	(9) Food Resources QUIZ #5	Ch.14
5/17	(10) Protecting Food Resources LAB #5 - Food Lab. Worksheet Due 5/24	Ch.15 HANDOUT
5/22	SECOND LEC. EXAM (Ch.9-12,14,15)	
5/24	LAB #6 - Gravestones & Lifespans Worksheet results due 5/29	HANDOUT
5/29	(11) Pollution QUIZ #6	Ch.13
5/31	cont.	
6/5	(12) Sustaining Ecosystems SUBMIT LAB RESEARCH PAPER	Ch.16
6/7	FINAL LECTURE EXAM (comprehensive)	
6/12	Time off for Saturday Lab	
6/14	Time off for Saturday Lab/field trip	