

Bio 11010 - People & Nature
Chaminade University of Honolulu

~~Spring~~ ^{Winter} 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, 8th Edition, Wadsworth Publishing, Belmont, 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.
- (3) 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.

Bio 110 - Syllabus

5. There will be five quizzes given as scheduled. Unless you submit a valid excuse, there will be no makeup quizzes.
6. A valid, acceptable excuse must be given for any missed exams.

LABORATORIES

1. Students are expected to prepare for a lab assignment prior to the scheduled date.
 - a. Any lab handouts will be given ahead of time.
2. Two labs **featuring** guest lecturers will be held on the scheduled dates at the WAHIAWA PUBLIC LIBRARY.
2. All other labs will be as scheduled unless otherwise advised.
3. A research paper (4 pp. or more) is due as scheduled.
4. Instructor reserves right to add or delete material.

GRADING

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

Lecture:

1st	100 pts.	SCALE
	50 pts	88% = A
	<u>100</u> pts	78% = B
	250 pts.	64% = C
		50% =

Laboratory:

Worksheets	40 pts.	SCALE
Res. Paper	100 pts	88% = A
Attendance:	<u>20</u> pts	78% = B
	160 pts	64% = C
		50% = D

Instructor reserves right to add BONUS POINTS to total.

CHAMINADE UNIVERSITY
BIO 110 - People and Nature
Instructor N. Chee

Winter Schofield 2002

SCHEDULE

1/7	Chap 1 - Environmental Problems	1st H5 pp.
1/9	Chap. 2 - Economics, Politics	26-58
1/14	Chap. 3 - Science, Systems, Matter, Energy	59-81
②	QUIZ #1	
1/16	LAB #1: Guest Lecturer	MEET at Wahiawa Public Library
	NOTE: REPORTS ARE DUE 3/18	
③	1/21 HOLIDAY No. class	
1/23	Chap. 4 - Ecosystems	84-107
	QUIZ #2	
④	1/28 Chap 5 - Evolution, biodiversity	109-133
1/30	FIRST LECTURE EXAM	EVERYTHING COVERED SO FAR
⑤	2/4 Chap. 6 - Climate, weather	134-165
2/6	LAB #2 - Guest Lecturer	MEET AT WAHIAWA PUBLIC LIBRARY
⑥	2/11 Chap. 7 - Population Dynamics	168-176
	Chap. 8 - Risk, Toxicology, human health	179-199
2/13	FILM #1: Hawaii: Fire Goddess	
	QUIZ 3	
⑦	2/18 HOLIDAY - No class	
2/20	Chap. 9 - Human Population	202-239
2/25	Chap. 10 - Air Pollution	236-257
2/27	SECOND LECTURE EXAM - Chap. 6 to 10, Guest lecturer, Film	
3/4	Chap. 11 - Global Warming	259-289
3/6	LAB #3 - Food Resources	Worksheet Due
	QUIZ # 4	3/12
⑩	3/11 Chap. 12 - Water Resources/Pollution	286-324
3/13	LAB #4 - Gravestones and Lifespans	Worksheet Due
	QUIZ #5	3/18

SCHEDULE (cont.)

3/18 Chap. 13 - Mineral, Soil Resources

326-353

OR

FILM #2 - **Alien** Invasion

3/20 FINAL EXAM - cover everything in Exams 1 & 2,
Films, Labs 3 & 4, **Chap. 11, 12**