

Tentative Syllabus: AGLY 103 Environmental Earth Science, Spring 2003, 4 credits

Instructor: Karin L. Willoughby, Office 207, Science Building

Office Hours: Mon. 9:30 - 10:30 am; Mon. and Wed. 12:30 – 1 pm; or by appt.

Time: Lecture: Mon. and Wed. 1 pm - 2:15 pm, Room 327

Laboratory: 2:30 - 5:10 pm Mon. (Sec. 1, Room 212)

2:30 - 5:10 pm Wed. (Sec. 2, Room 212)

Text: Environmental Geology, Edward A. Keller (K)

Lab Manual: Environmental Issues, Astwood and Carpenter (A&C)

This course acquaints you with major aspects of human interaction with the earth. Natural hazards caused by earth processes, the effect of these hazards and the effect of human actions on the earth are all explored. Geologic information will be used to study complex environmental problems. Emphasis is on building each individual's ability to understand environmental issues, practice analytical and decision-making skills for choosing wisely among alternative environmental solutions and communicating that understanding to others in oral and written form.

Grading: Lecture -- 75% of class grade

15% each, two exams

5% each, two quizzes

15% student presentation

15% comprehensive final exam

5% class participation, including **attending class regularly**

and on time; 6 absences are excessive and may result in failing the course, at the discretion of the instructor

75% subtotal

Laboratory-25% of class grade*

2% on each lab assignment including field trips; lowest grade will be dropped (13 labs = 24% of grade)

1% on oral report based on news article

25% subtotal

* NOTE: Laboratory must be passed in order to pass the course. Grades are based on 90% or better = A; 80% or better = B; 70% or better = C; 60% or better = D; less than 60% = F.

There will be no make-up labs, field trips or classes. However, the lowest weekly lab grade will be dropped. The student is responsible for getting notes to missed material. Make-up exams or quizzes will be given only for reasons considered acceptable to the University and approved by the instructor. Only documented excuses will be considered for approval.

If you have a physical, psychological and/or learning disability which might affect your performance in this class, please contact the Office of Disability Services, 126A B&E, (803) 641-3609, as soon as possible. The Disability Services Office will determine appropriate accommodations based on medical documentation.

NOTE: PRESENTATION TOPICS: Each student must participate in a team presentation on one of the following topics, COASTAL ISSUES, ENVIRONMENTAL HEALTH or THE SHAPE OF THE FUTURE.

Tentative Lecture Schedule

January	13	Introduction & Fundamental Concepts	Chapters	1(K)
	15	Earth materials		2
	20	HOLIDAY		
	22	Plate tectonics		
	27	Soils and Environment		3
	29	Soils continued; Intro. to Natural Hazards; assign teams		4
February	3	QUIZ #1; work on team presentations		
	5	Rivers and Flooding		5
	10	Landslides; Earthquakes		6, 7
	12	Earthquakes continued; Volcanoes		8
	17	EXAM #1		
	19	Volcanoes cont'd		
	24	Coastal Hazards		9
	26	Water		10
March	4	Water continued		
	10 – 15	SPRING BREAK HOLIDAY		
	17	Environmental Health		13
	19	Mineral Resources		14
	24	Energy		15
	23	Energy continued		
	31	" "		
April	2	EXAM #2		

	7	Waste Disposal	12
	9	Waste Disposal cont'd	
	14	Water Pollution	11
	16	Air Pollution	16, 17
	21	Land Use; QUIZ #2	18
	23	Student Presentation	
	28	Student Presentation	
May	2	COMPREHENSIVE FINAL EXAM (2 – 5 pm)	

Tentative Laboratory Schedule

Note: Lab grades are assigned separately from lecture and totaled for your final grade as explained above.

January	13, 15	What Should/Would You do?
	20	HOLIDAY
	22, 27	How Many People?
	29, Feb. 3	Campus Soil Survey
February	5, 10	Field Trip: Sand River
	12, 17	Natural Hazards
	19, 24	Geologic Hazards - Plotting and Locating Earthquakes
	26, Mar. 3	Geologic hazards - Volcanoes
March	5, 17	Field Trip: Municipal Water Treatment (HOLIDAY March 10 & 12)
	19, 24	Locating Mineral Resources
	26, 31	Cost of Energy; plus Extra credit Lab
April	2, 7	Field Trip: Low level radioactive waste disposal
	9, 14	Field Trip: Wastewater Treatment
	16, 21	Presentations
	23, 28	Urban Land Use