Tentative Syllabus: AGLY 103 - Environmental Earth Science
Spring 2006, 4 credits

Instructor: Karin L. Willoughby, Office 207, Science Building
Office Hours: Mon. 11-12 am; Tue. 1:30-2 pm; Wed. 1 – 1:30 pm; Thur. 10:40-11:15 am; Fri. 11:15 am – 11:45 am; or by appt.
Time: Lecture: Tue. And Thur. 9:25 – 10:40 am, Room 216
Laboratory: Tue. 10:50 am – 1:30 pm (Room 216)
Text: Environmental Geology, Edward A. Keller (K)
Lab Manual: Environmental Issues, Astwood and Carpenter (A&C)

This course is 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
36% (12% on each of three exams) (any "Pop" quiz points for cellphone use will be taken from the next exam)
14% student presentation
20% comprehensive final exam
5% class participation, including **attending class regularly and on time;** 5 or more absences are excessive and may result in failing the course, at the instructor's discretion
75% subtotal

Laboratory-25% of class grade*
22% on each lab report including field trips; lowest grade will be dropped (11 out of 12 labs @ 2% each)
3% on assignment of environmental news article & attendance
25% subtotal

*NOTE: Laboratory must be passed in order to pass the course. In-class Lab reports are due the day assigned. Field trip reports are due within 1 week. Overdue reports will lose points for being late.

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. **The student is still responsible for missed material, even with excuse.**

Punctual and regular attendance is essential for full participation in class. The instructor reserves the right to give an automatic **"F"** to any student who **misses 5 or more lectures**, even with excused absences. **Unannounced "Pop" quizzes will be given anytime a cellphone is heard or used in class. Points for pop quizzes will be removed from the total points on the next scheduled exam.**

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.

PRESENTATION: Each student must participate in a team presentation on recycling issues. The public presentations will be held at the SAC on April 18.

Tentative Lecture Schedule

January	10	Introduction & Fundamental Concepts	Chapters	1(K)
	12	Earth materials		2
	17	Earth materials continued		
	19	Plate tectonics		
	24	Plate tectonics continued; assign teams		
	26	Soils and Environment		3
	31	Soils continued; Intro. to Natural Hazards		4
February	2	Rivers and Flooding		5
	7	EXAM #1 (Chapters 1,2,3)		
	9	Rivers continued; Landslides		6
	14	Earthquakes		7
	16	Volcanoes		8
	21	Volcanoes continued; Coastal Hazards		9
	23	EXAM #2 (Chapters 4,5,6,7)		
	28	Coastal Hazards cont'd		
March	2	Water		10
	7-9	HOLIDAY		
	14	Water continued		
	16	Environmental Health		13
	21	Mineral Resources		14
	23	Mineral Resources continued		
	28	Energy		15
	30	Energy continued		

April	4	EXAM #3 (Chapters 8,9,10,13)	
	6	Energy cont'd; Waste Disposal	12
	11	Waste Disposal cont'd	
	13	Pollution issues	11, 16, 17
	18	Land Use (presentations)	
	20	Land Use; Summary and Review	18
May	2	COMPREHENSIVE FINAL EXAM (8 – 11 am) -- with emphasis on Chapters 11, 12, 14, 15	

Tentative Laboratory Schedule

Lab Topic	Sec. 1
What Should/Would You do?	Jan. 10
How Many People?	Jan. 17
Campus Soil Survey assigned teams meet	Jan. 24
Field Trip: Recycling/Landfill	Jan. 31
Urban Land Use	Feb. 7
Field Trip: Municipal Water Treatment	Feb. 14
Field Trip: Sand River	Feb. 21
Energy Use	Feb. 28
HOLIDAY	Mar. 7
Field Trip: Wastewater Treatment	Mar. 14
Locating Mineral Resources	Mar. 21
Field Trip: Low level radioactive waste disposal	Mar. 28
Cost of Energy; plus Extra credit Lab	Apr. 4
Work on team presentation	Apr. 11
Presentations in the SAC	Apr. 18