

**Tentative Syllabus
Environmental Geology - 103
Spring 2007**

Lecturer: Dr. Robert Van Pelt

Office Hours: Immediately prior to or after class; other times by appointment

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Lab Instructor: Karin Willoughby

Daytime phone: (803) 641-3379; E-Mail: KarinW@usca.edu

Text: "Introduction to Environmental Geology" Third edition (soft cover) by Edward A. Keller, Pearson Prentice Hall publisher

Lab: Exercises provided by the instructor; Independent Lab report (select environmental topic, prepare report (~15 page), and give a ~5-10 minute presentation)

Course Objectives: To introduce you to some of today's major environmental issues and to provide you with the geological background to understand and evaluate those issues.

Course Grading: based on four lecture exams, Lecture assignments, Lab Exercises, Independent Lab report/presentation, and class participation. Total of 100%.

Exam I-III = 45% (15% ea.); final exam = 15%, Lecture assignments = 5%; Lab exercises = 15 % Lab report = 15%; participation = 5%

Letter Grades are assigned according to standard scale: 90% and above = A; 80-89 = B; 70-79 = C; 60-69 = D; below 60 = F.

Attendance is recommended. Please review the University's policy on class attendance outlined in the 2006-2007 USCA Bulletin. The level of difficulty of a science course generally requires the attendance in order for the student to completely understand the material. Material presented in the lecture is intended to compliment the material presented in the text.

Reading assignments: assignments listed on the attached schedule are from the required text and should be completed prior to class. The student is responsible for all reading material assigned, any handouts, and material presented in the lecture.

Make-up exams: make-up exams will be offered only to those students who present acceptable written excuses to the instructor. Acceptable excuses are those recognized by the University and approved by the instructor. Make-up tests will cover the same material as the original exam, however, may differ in format (e.g. essay).

Disability statement: If you have a learning or physical disability which may affect your performance in this class, please inform the instructor as soon as possible and Dr. L. Matthews, Coordinator of Counseling Services in order to verify your status and provide you with appropriate assistance.

USCA provides a Writing Center (CLAS 201) to assist you in your writing. The Writing Center is staffed by friendly USCA students who are expert writers and who have been trained as writing consultants. If you need extra assistance on any writing assignment for

this class or any other class you are taking, please try the Writing Center. You may make an appointment or just drop in. Operating hours are posted on the door. Telephone number is 649-6851, ext. 3262.

Course Schedule: T, TH 6:00 - 8:40 pm USCA Science Building Room 212

Jan.	16T	Introduction to Course
	18TH	Chp.1 Philosophy & Fundamental Concepts
	23T	Chp.2 Earth Structure & Plate Tectonics
	25TH	Chp.2 cont.; Chp.3 Minerals & Rocks, Mineral & Rock Lab Exercise
	30T	Chp.3 cont.; Mineral & Rock Lab Exercise cont.
Feb.	01TH	Chp.4 Natural Hazards
	06T	Exam 1 (Chps.1-4)
	08TH	Chp.5 Earthquakes, Earthquake Lab Exercise
	13T	Chp.5 cont.; Chp.6 Volcanic Activity
	15TH	Chp. 6 cont.; Chp. 7 Flooding (Rivers), Flood Lab Exercise
	20T	Chp.7 cont.; Chp. 8 Slope Processes
	22TH	Chp.8 cont.; Chp. 9 Coastal Processes
	27T	Chp.9 cont.; Coastal Lab Exercise
Mar.	01TH	Chp.10 Impact of Extraterrestrial Objects; select Independent Lab report topic
	06T	Exam 2 (Chps. 5-9)
	08TH	Chp.11 Water Resources, Water Resource Lab Exercise
	12M to 16F	SPRING BREAK – NO CLASSES
	20T	Chp.11 cont.; Chp.12 Water Pollution, Water Pollution Lab Exercise
	22TH	Chp.12 cont.; Chp. 13 Mineral Resources, Mineral Lab Exercise
	27T	Chp.13 cont.; Chp.14 Energy Resources
	29TH	Chp.14 cont.; Energy Lab Exercise
Apr.	03T	Chp.15 Soils
	05TH	Exam 3 (Chps. 10-14)
	10T	Chp.15 cont.; Chp.16 Waste Management
	12TH	Chp.16 cont.; Chp. 17 Air Pollution
	17T	Chp.17 cont.; Chp. 18 Global Climate Change
	19TH	Chp. 18 cont.; Chp. 19 Geology, Society & Future
	24T	Chp. 19 cont.; Independent Lab report presentations
	26TH	Independent Lab report presentations continued
May	08T	Final Exam (Chps. 15-19)