

**GEOL4650 (GEOL5650) Environmental Geology**  
**Fall 2011**  
**TTH 9:30 AM--10:50 AM, ENV120**

**Instructor:** Feifei Pan

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**Class Website:** [http://www.geog.unt.edu/~fpan/phtml/geog4650\\_fall2011.html](http://www.geog.unt.edu/~fpan/phtml/geog4650_fall2011.html)

**Textbook:** Edward A. Keller, 2011. Introduction to Environmental Geology, 5<sup>th</sup> Edition, Pearson, Prentice Hall.

**Course Description:** This course focuses on helping students develop an understanding of how geology and humanity interact within five fundamental concepts of environmental geology: Human Population Growth, Sustainability, Earth as a System, Hazardous Earth Processes, and Scientific Knowledge and Values. These concepts are introduced at the beginning of the course, integrated throughout each chapter and revisited at the end of each chapter.

**Grade:** Lecture and participation 88% obtained from four exams. A roll sheet may be circulated during class; eight unauthorized absences may result in a student being dropped with a WF for non-attendance. The final will not be comprehensive. All exams will be in-class, closed book and multiple-choice, T/F, fill in the blank, or short questions. All students must take the final exam. Attendance and class participation count 12%. All grades for the course will be final. No assignments or work will be considered after the final grade has been recorded.

**(Exam1: 22%, Exam 2: 22%, Exam 3: 22%, Final: 22%, Participation:12%)**

**ODA:** The Department of Geography, in cooperation with the Office of Disability Accommodations, complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodations request before the 12th class day.

**SETE:** The Student Evaluation of Teaching Effectiveness (SETE) is a requirement for all organized classes at UNT. This short survey will be made available to you at the end of the semester, providing you a chance to comment on how this class is taught. I am very interested in the feedback I get from students, as I work to continually improve my teaching. I consider the SETE to be an important part of your participation in this class.

## FALL CALENDAR

DATE	TOPIC(s)	Reading Assignments
Aug. 25--Sep. 15	Introduction of Environmental Geology Internal Structure of Earth and Plate Tectonics Minerals and Rocks Ecology and Geology <b>Chapter 1-4 Review: Sep.13</b> <b>Exam 1: Sep. 15, (covering parts of chapters 1-4)</b>	<b>1-4</b>
Sep. 20 --Oct.11	Natural Hazards Earthquakes Volcanic Activity Rivers and Flooding Landslides <b>Chapter 5-9 Review: Oct. 6</b> <b>Exam 2: Oct. 11, (covering parts of 5-9)</b>	<b>5-9</b>
Oct.13 -- Nov.3	Coastal Processes Water Resources Water Pollution Mineral Resources Energy Resources <b>Chapter 10, 12-15 Review: Nov.1</b> <b>Exam 3: Nov. 3, (covering parts of 10 and 12-15)</b>	<b>10,12-15</b>
Nov. 8 -- Dec.13	Soils and Environment Waste Management Air Pollution Global Climate Change Geology, Society, and the Future <b>Chapter 16-20 Review: Nov.29</b> <b>Final Exam: Dec.13, (8:00am-10:00am, covering parts of 18-21)</b>	<b>16-20</b>

**This syllabus is definitely subject to change at anytime during the semester.**