

# Geology 106 / Geography 106 Syllabus

**Geology 106/Geography 106:** Introduction to Natural Hazards and Disasters (3488 E)

**Rm:** B262

**Lecture/Lab:** M W 11:30-1:20; F 12:30-1:20

**Instructor:** Rob Viens

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**Office Hours:** MWF 1:30-2:20 & by appointment (Also available for questions by e-mail)

**Class Web Site:** <http://scidiv.bcc.ctc.edu/rv/106/>

**Required Texts:** *Natural Hazards* (2008) by Edward Keller and Robert Blodgett

**Lecture:** Attendance will not be taken; however, graded exercises will be completed during class time and the exams will be based on lecture material as well as readings from the text, so it is highly recommended that you do attend! The class website lists the assigned reading from the textbook - watch for updates throughout the quarter. It is in your best interest to complete the assigned readings *before* lecture. Interaction, questions, discussions are encouraged and expected. *Cell phones, talking in class, recurring late arrivals, and other disruptions are distracting to other students and the instructor and will not be tolerated during class time. Recurring problems will be reported to the Dean of Student Services and can result in suspension and/or loss of credit.*

## Grades:

Exercises & Projects	300
Midterms (75 pts each)	150
Final	<u>100</u>
<b>Total</b>	<b>550 pts</b>

**Exercises:** There will be approximately one in-class assignment per week plus several short take-home exercises throughout the quarter for a total of 150 points. Assignments will be from handouts or provided online via the class web site. Exercises will be explained during the quarter and may include hands-on activities to supplement lecture, monitoring ongoing natural hazards, and short take-home assignments to better prepare yourself for dealing with natural disasters at home (more information will be provided).

**Projects:** Projects are basically longer, more involved exercises and will count for another 150 points. There will be 2 or 3 longer projects including a service learning project and a short report on a famous (or infamous) natural disaster or catastrophe in history. (Details will be distributed separately.)

**Exams:** There will be 2 midterms during the quarter worth 75 pts each (one approximately every month) and a final exam at the end (100 pts). The final exam will contain some material from the entire quarter, but will primarily be on the last section of the class. *There are no makeup exams so please carefully note the dates.*

**Special Needs Students:** Students with disabilities who have accommodation needs are required to meet with the Disability Resource Center (DRC) office, room B233-G (telephone 425.564.2498 or TTY 425.564.4110), to establish their eligibility for accommodation. The DRC office will provide each eligible student with an accommodation letter. Students who require accommodation in class must review the DRC accommodation letter with each instructor during the first week of the quarter. Students with mobility challenges who may need assistance in case of an emergency situation or evacuation should register with Disability Resource Center, or review those needs with the instructor as well. (The DRC website is linked to the main BCC website: <http://www.bcc.ctc.edu>.)

**Extra Credit, Make-ups, Incompletes:** Opportunities for one or two extra credit assignments (including additional field trips) will be offered during the quarter to the entire class. *I do not allow any other type of individual extra credit, make-ups, or incompletes.*

**IMPORTANT NOTE:** All assignments are due on the dates assigned, and will receive reduced credit if turned in late. Assignments will not receive any credit if turned in more than two days late. All assignments should be typed. Handwritten assignments will be returned for resubmittal

**Science Division Policy on Cheating:** You, the student, are expected to conduct yourself with integrity. If you cheat\*, or aid someone else in cheating, you violate a trust. If you cheat, the following actions will be taken:

1. You will receive a grade of "0" on the work (exam, assignment, lab, quiz, etc.), where the cheating occurred. This grade cannot be dropped.
2. A report of the incident will be sent to the Dean of Students. He may file the report in your permanent record or take further disciplinary action such as suspension or expulsion from the college.

If you feel you have been unfairly accused of cheating, you may appeal. (For a description of due process, see WAC 132H-120.)

*\*Cheating includes, but is not limited to, copying answers on tests or assignments, glancing at nearby test papers, swapping papers, stealing, plagiarizing, and illicitly giving or receiving help on exams or assignments.*

# Calendar for Fall Quarter, 2008

**Note: New material is being added and updated each week. Dates are subject to change.**

Week	Monday	Wednesday	Friday
1 9/22	Introduction  What are hazards, disasters and catastrophes?	Science, Politics and Society  Risk Assessment	Plate Tectonics - <i>the root of hazards from below</i>
2 9/29	How Earthquakes Work	Measuring Quakes	Earthquake Hazards
3 10/6	Earthquake Forecasting	Earthquake Preparation	Aftermath: Psychology of Disasters
4 10/13	Magma, Rocks and Volcanic Eruptions	Volcanic Hazards	<b>Exam 1</b>
5 10/20	Volcanic Hazards	Mitigation of Volcanic Hazards	Mt. Rainier Hazard Planning
6 10/27	The Atmosphere - <i>the source of aerial destruction</i>	<b>No Class</b> College Issues Day	Godzilla, Gamera, and Rampaging Radioactive Monsters?
7 11/3	Tornado & Hurricane Science	Hurricanes and Coastal Impacts	Coastal Mitigation
8 11/10	Aftermath of disasters	Hydrologic Cycle, Extreme Storms & the Science of Floods	<b>Exam 2</b>
9 11/17	Flooding Hazards	Flood Mitigation	Mass Wasting - Why Hillslopes Fail
10 11/24	Mass Wasting Mitigation	A History of Climate Change	<b>No Class</b> Thanksgiving Holiday
11 12/1	Mass Extinctions	Impacts and Near Earth Objects	Hazards and the Future