

## **GEOG/GEOL 106**

### **Introduction to Natural Hazards and Disasters (5 credits Natural Science)**

Welcome to Geography/Geology 106. This is a five-credit, natural science course that fulfills a Science distribution requirement for the Associate in Arts and Sciences **(AAS)** Degree at Bellevue College. There are no prerequisites for this class.

The course transfers as natural science credit. The class can be taken as Geography **OR** Geology credit to satisfy the College's distribution requirement in Sciences.

#### **Course Description/Objectives:**

This course is designed to introduce students to the major natural hazards of both the earth and the atmosphere and the consequences of these upon humankind. The course will strive to elevate student awareness regarding dangerous interactions between earth processes and humankind, as well as the interrelationships among potential disasters. Throughout the course case studies will be used to facilitate an understanding of the complexities of environmental policies, societal behaviors, and governmental responsibilities. In addition to the textbook visuals, a large variety of images from numerous sources will be used to enhance the delivery of course information.

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#### **Required Text:**

**Natural Hazards and Disasters: 4<sup>th</sup> edition**, Hyndman and Hyndman, 2009.  
Brooks/Cole Cengage\_Learning

**Format and Grading:****Module 1:**

Chapter 1: Natural Hazards and Disasters  
Chapter 2: Plate Tectonics and Physical Hazards  
Chapter 3: Earthquakes and Their Causes  
Chapter 4: Earthquake Prediction and Mitigation  
Chapter 5: Tsunami

**Module 1 Exam****Module 2:**

Chapter 6: Volcanoes: Tectonic Environments and Eruptions  
Chapter 7: Volcanoes Hazards and Mitigation  
Chapter 8: Landslides and Other Downslope Movements

**Module 2 Exam****Module 3:**

Chapter 13: Extreme weather  
Chapter 14: Hurricanes and Nor'easters  
Chapter 15: Thunderstorms and Tornadoes

**Module 3 Exam****Module 4:**

Chapter 16: Drought  
Chapter 11/12: Floods

**Module 4 Exam (also the Final Exam)****Course Grading:**

- 1) After each of the Modules there will be an Exam – each is worth 100 points toward your final score (extra credit available) – 400 marks total
- 2) Map Quiz – 40 marks
- 3) Attendance and Participation – 3 marks per day – 20 classes = 60 marks maximum
- 4) Extra Credit is optional and is built into 'Geography Bee' Team Quizzes – 4 quizzes worth 10 marks each - maximum 40 marks + bonus maximum of 5 marks for the 1<sup>st</sup> placed 'team' = possible 20 marks.

Total 500 marks plus 60+ marks possible extra credit.

**Grading Scale:**

<b>A</b>	<b>4.0</b>	<b>460+</b>
<b>A-</b>	<b>3.7</b>	<b>430-459</b>
<b>B+</b>	<b>3.3</b>	<b>400-429</b>
<b>B</b>	<b>3.0</b>	<b>375-399</b>
<b>B-</b>	<b>2.7</b>	<b>350-374</b>
<b>C+</b>	<b>2.3</b>	<b>325-349</b>
<b>C</b>	<b>2.0</b>	<b>300-324</b>
<b>C-</b>	<b>1.7</b>	<b>275-299</b>
<b>D+</b>	<b>1.3</b>	<b>250-274</b>
<b>D</b>	<b>1.0</b>	<b>225-249</b>
<b>F</b>	<b>0.0</b>	<b>224 and less</b>

**General Class Environment:**

- 1) Office hour is for one hour Mon-Thurs – please do not hesitate to ask any questions – at the end of the class is also fine – if possible I prefer to answer questions face to face rather than by email.
- 2) Attendance is expected – however – if you miss a class make sure that you secure the notes from a member of the class.
- 3) If you are ill and unable to attend an exam it is essential that you notify me by email before the class.
- 4) It is not appropriate to leave the class early unless you have notified me to secure permission.
- 5) It is expected that you do not talk during class to your neighbor(s) as this disturbs others who are interested to learn and engage fully in the class – including me!
- 7) All food and drink (other than water) will not be allowed in the class – if you are hungry please go to the cafeteria!
- 8) Exams must be taken on the scheduled dates – other than for approved illness – remember to email me on the day of the exam to qualify.
- 9) Bring a ‘scantron answer sheet’ to the exams.
- 10) Please ensure that all work submitted for assessment is your own.

**PROCEDURES AND GUIDELINES OF THE SOCIAL SCIENCE DIVISION  
FALL 2011***Cheating, Stealing and Plagiarizing\**

*Cheating, stealing and plagiarizing (using the ideas or words of another as one's own without crediting the source) and inappropriate/disruptive classroom behavior are violations of the Student Code of Conduct at Bellevue College. Examples of unacceptable behavior include, but are not limited to: talking out of turn, arriving late or leaving early without a valid reason, allowing cell phones/pagers to ring, and inappropriate behavior toward the instructor or classmates. The instructor can*

*refer any violation of the Student Code of Conduct to the Dean of Student Services for possible probation or suspension from Bellevue College. Specific student rights, responsibilities and appeal procedures are listed in the Student Code of Conduct, available in the office of the Dean of Student Services.*

#### *Incomplete*

*If a student fails to complete all the required work for a course, an instructor may assign the grade of Incomplete ("I"). The student must complete the coursework by the end of the next quarter, or receive the assigned letter grade (usually an "F").*

#### *F Grade*

*Students who fail a course will receive a letter grade of "F."*

#### *Final Examination Schedule*

*The Social Science Division will adhere to the final examination schedule as stated in the BC Schedule. Final examinations will be held at the end of each quarter at fixed times. Instructors will not give examinations in advance of the regular schedule. A student who is absent from any examination held at any time during the quarter may forfeit the right to make up the examination. If, for illness or some other circumstance beyond the student's control, the student is unable to be present at any scheduled examination and has contacted the instructor on a timely basis, the student may be permitted to take such examination at a time designated by the instructor.*

#### *Withdrawal From Class*

*College policy states that students must formally withdraw from a class by the end of the seventh week of the quarter (Registration Office, B125). If a student has not withdrawn by that date, an appropriate letter grade will be assigned for the course.*

#### *Hardship Withdrawal*

*Instructors may assign the grade of "HW" (hardship withdrawal) at their discretion in the event that a student cannot complete the coursework due to extreme and exceptional circumstances. Students may also contact the Enrollment Services office BEFORE grades are assigned in cases of hardship.*

#### *Students Who Require Disability Accommodations:*

*Students with disabilities who have accommodation needs are encouraged to meet with the Disability Resource Centre (DRC) office located in B132 (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 should 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 Centre, and review those needs with the instructor as well.*

#### *Distribution of Grades*

*Grades will not be posted in the Social Science Division or in faculty offices, and secretaries will not give out grades. Students should access their grades through the BC Web site.*

#### *Return of Papers and Tests*

*Paper and/or Scantron score sheet returns will be arranged in the following ways ONLY: by mail, if student supplies the instructor with stamped, self-addressed envelope (with appropriate postage); or by the instructor designating a time and place whereby the student may retrieve his/her papers. Unclaimed papers and/or Scantron score sheets must be kept by the instructor for a minimum of sixty (60) instructional days following the end of the quarter.*

*\*If you are accused of cheating, stealing exams and/or plagiarism, there is a Bellevue College Student Discipline and Appeals Procedure (the right to due process) which you may pursue. Contact the office of Division Chair (D110), the Dean of Student Services (B231A) or the Associated Student Body (C212) for information regarding the appeals process.*

