

## **GEOG 108 – Living with Natural Disasters (5 credits Natural Science)**

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**Classroom: D273 – 1:30-2:20 Daily**

**Fall Quarter, 2015**  
**Phone: 425-564-2290**  
**Office Hour 12:20-1:20**

Welcome! 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 satisfies **General Education Requirements** in the following areas:

**The Nature of Science: Rating 3**  
**Science and the Natural World: Rating 3**

### **COURSE DESCRIPTION AND OBJECTIVES:**

**Geography108** is a survey course designed to introduce students to earth and atmospheric potential hazards as reflected or evidenced by actual catastrophes or disasters. The course will strive to elevate student awareness regarding dangerous interactions between earth processes and humans, as well as the interrelationships among potential disasters. In doing so, students may be able to make more informed/educated decisions such as determining the best site location for a future home purchase. Throughout the course the textbook ‘**Cases in Point**’ examples are used to illustrate the various types of hazards, and record significant disasters. Also, they are useful to help understand the complexities of environmental policies, societal behaviors, and governmental responsibilities regarding hazards. A variety of relevant DVD’s along with digital images, and slides will be used to enhance the delivery of information. Practice Quizzes for all sections will be distributed prior to each assessment.

### **REQUIRED TEXT:**

**Natural Hazards and Disasters: 4th edition**, Hyndman and Hyndman, 2014. Brooks/  
Cole CENGAGE Learning

Text can be rented from the College Bookstore for **\$45.00**.

**SCANTRON** – Answer sheets. Purchased in the College Bookstore

### **COURSE MODULES:**

There are seven (7) modules, designed to follow the general format of chapter content in the textbook. The textbook is best viewed as the most important support tool for assessment preparation. The extra credit component begins with Chapter 3’s **Cases in Point**. Each module has an exam. Exam dates will be given throughout the quarter. To begin, proceed through the **Textbook Reading Assignments** found with the **Module Outline**. The outline identifies which chapters of the textbook to read to enable success in answering questions on both the Practice Quizzes and Module Exams. Paramount to succeeding with distinction is class attendance. Randomly, attendance will be taken

seven (7) times across the quarter. Each attendance is valued at 1% point for a maximum of 5% toward the final quarter grade.

### MODULE OUTLINE

- Module 1:** Introduction to Natural Hazards and Disasters  
Fundamentals of Plate Tectonics and Associated Physical Hazards  
**Readings: Chapters 1, 2**
- Module 2:** Earthquake Processes – Earthquake Predictions, Forecasts and Mitigation  
**Readings: Chapters 3, 4**
- Module 3:** Tsunami – Tsunami Preparedness  
**Readings: Chapter 5**
- Module 4:** Volcanoes, Tectonic Environments and Eruptions –Volcanoes: Hazards, Risks and Mitigation  
**Readings: Chapters 6, 7**
- Module 5:** Landslides and Other Downslope Movements  
**Readings: Chapter 8**
- Module 6:** Stream and Flood Processes – Floods and Human Interactions  
**Readings: Chapters 12, 13**
- Module 7:** Severe Weather – Thunderstorms, Tornadoes, Hurricanes and Nor’easters  
**Readings: 10, 15**

### COURSE REQUIREMENTS:

A minimum of **60%** is required to pass the course. Seven (7) module exams are scheduled. The best 5 scores on the first 6 module exams and the score for Module Exam 7 are used to calculate the quarter grade. Module Exam 7 cannot be dropped. Module Exam 7 is scheduled for Tuesday December 8, at 1:30 in Room D273.

The module exams and practice quizzes are in **multiple-choice, true/false, and matching** and **short-answer** format. Test questions taken from the textbook readings, the practice quizzes and the class lectures. **Extra Credit** will be embedded in the module exams. There is no comprehensive final. **Module Exam Seven (7) cannot be taken early. NO EXAM MAKEUPS.**

**The lowest *Module Exam* score of the first six exams will automatically be dropped. Practice Quiz scores are not used to calculate quarter grade.**

Five best Module Exams	@	15% x 5	75%
Module Exam Seven (7)	@	20%	20%
Random Attendance	@	5%	<u>5%</u>
			100%

Last day to withdraw: 4:00 p.m. Nov. 6 (in person) or by 11:59pm, Nov. 8 (online). A “W” will be posted on transcript. Failure to withdraw by the above deadlines will result in an “F” posted on transcript.

**Cell Phones, electronic dictionaries, iPads and laptops cannot be used during assessments. Please turn off cell phones before coming to class.**

## GRADING

<u>LETTER GRADE</u>	<u>GPA</u>	<u>PERCENTILE</u>
A	4.0	95-100
A-	3.7	90-95
B+	3.3	87-89
B	3.0	83-86
B-	2.7	80-82
C+	2.3	77-79
C	2.0	73-76
C-	1.7	70-72
D+	1.3	67-69
D	1.0	60-66
F	0.0	59 and below



## **PROCEDURES AND GUIDELINES OF THE SOCIAL SCIENCE DIVISION SP 2014**

### 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.

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*\*If you are accused of cheating, stealing exams and/or plagiarism, there is a Bellevue College Student Discipline*