

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.

Instructor: Ian Walker

Mailing address:
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Phone: (425) 564-2333
Division Office phone: (425) 564-2331
Office: **D100D**
Office hours: Mondays 1:30-2 and by appointment

Please use the Canvas online email to reach me - my college email address is -

ian.walker@bellevuecollege.edu

Regarding email correspondence: I will answer your emails within 24 hours. I will most likely be able to reply sooner than 24 hours but please email me as early as possible and do not wait until the last minute for important conversations. I only check my email a couple times over the weekend so please try to contact me Monday- Friday.

Required Text:

Natural Hazards and Disasters: 4th edition, Hyndman and Hyndman, 2014. 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

Chapter 8: Landslides and Other Downslope Movements

EXAM 1- July 22nd (exam first hour of class, class will continue after)

Module 2:

Chapter 6: Volcanoes: Tectonic Environments and Eruptions

Chapter 7: Volcanoes Hazards and Mitigation

Chapter 10: Thunderstorms and Tornadoes

Chapter 15: Hurricanes and Nor'easters

Chapter 12/13: Floods and Drought

FINAL EXAM- August 12th (class is finished after final exam)

You are allowed to bring in 2 pages of notes into the exams (front and back). These notes **MUST** be handwritten. You will receive “Homework Questions” throughout the quarter. You will not turn these in but some of these questions will show up on the exam.

Course Grading:

- 1) Each exam is worth 150 points toward your final score– 300 points total

- 2) Attendance and Participation – will be taken daily – 5 points per day - 50 points maximum (extra attendance points will be assigned as extra credit)

Being present in class (attendance) assumes that you **DO NOT** do the following:

- Whispering, giggling, or talking to other classmates
- Using your cellphone/iPad/laptop/etc. for non-classroom related activities. If you are using your electronics for classroom related activities you must discuss this with me at the beginning of the quarter
- Consistently arriving to class late
- Leaving class early without prior consent
- Repeatedly falling asleep (I was a student once too and I know how sleep deprived you might be, but please don't make a habit of this!)
- Being rude, discourteous or aggressive to myself or other students

You will lose attendance points by participating in the above activities.

3) Extra Credit is optional and is built into ‘Geography Bee’ Team Quizzes.

4) Bi-weekly natural hazard report. This is done online in the Discussions section of the Canvas site. Please check the calendar for

due dates. Each report is worth 20 points. Requirements: For each report, each student must reply to the discussion post in the Canvas site (Click on the Discussions tab on the left hand side of the course site, post your reply to “Week 1 Natural Hazard Report”, “Week 2”, etc). You must write at least 200 words about a natural hazard or disaster that has happened recently. Do some research and try to find a natural hazard or disaster that has happened in the last few weeks. The natural hazard or disaster MUST have occurred in the last year. Write a short summary of the event/details of disaster/effect on human or animal life/what this event means for the future or anything else that seems appropriate or applicable to the class and the report. You MUST also reply to another student’s post (at least 50 words) in order to get full points. You must also include any references you used (website, magazine, URL)

Requirements to get full points:

- Write 200+ word report on a natural hazard/disaster that has occurred in the last year.
- Write 50+ words in response to another student’s report
- Cite any reference/s you used
- Complete these 3 requirements on time per due date listed in Calendar

Online natural hazard/disaster report- 5 reports at 30 points each= 150 points

Class Points:

2 exams- 300 points

Attendance- 50 points

5 natural hazard/disaster reports- 150 points

Total: 500 points

Grading Scale:

A	93-100%	465-500
A-	90-92%	450-464

B+	88-89%	440-449
B	83-87%	415-439
B-	80-82%	400-414
C+	78-79%	390-399
C	73-77%	365-389
C-	70-72%	350-364
D+	68-69%	340-349
D	63-67%	315-339
D-	60-62%	300-314
F	0-59%	001-299

General Class Environment:

- 1) Please do not hesitate to ask any questions via email or after class. We can also set up a time to meet in my office for any questions or concerns you may have
- 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.

Classroom Learning Environment:

Help with Canvas: Click [Here](#).

▪ Affirmation of Inclusion

Bellevue College is committed to maintaining an environment in which every member of the campus community feels welcome to participate in the life of the college, free from harassment and discrimination.

We value our different backgrounds at Bellevue College, and students, faculty, staff members, and administrators are to treat one another with dignity and respect.

Religious Holidays

Students who expect to miss classes, examinations, or any other assignments as a consequence of their religious observance should be provided with a reasonable alternative opportunity to complete such academic responsibilities. It is the obligation of students to provide faculty with reasonable notice of the dates of religious holidays on which they will be absent, preferably at the beginning of the term. Students who are absent on days of examinations or class assignments should be offered an opportunity to make up the work without penalty (if they have previously arranged to be absent), unless it can be demonstrated that a makeup opportunity would constitute an unreasonable burden on a member of the faculty. Should disagreement arise over what constitutes an unreasonable burden or any element of this policy, parties involved should consult the department chair, or Dean.

College Anti-Discrimination Statement (Title IX)

Bellevue College does not discriminate on the basis of race or ethnicity; color; creed; national origin; sex; marital status; sexual orientation; age; religion; genetic information; the presence of any sensory, mental, or physical disability; gender identity or veteran status in educational programs and activities which it operates.

For further information and contacts, please consult [College Anti-Discrimination Statements](#).

▪ Division Statements

[Include any division statements and links.]

Include your division statement on plagiarism in this location.

A common, campus-wide minimum standard regarding student cheating, stealing, and plagiarizing provides enough autonomy for instructors and programs to set their own standards. It is the instructor's responsibility to clearly articulate to the students what is considered appropriate and inappropriate behavior in the classroom and what action will be taken in the case of inappropriate classroom behavior. It is recommended that this be done through the course syllabus.

Information about Bellevue College's copyright guidelines can be found at:

[College Copyright Policy](#)

This link provides a good, short summary of how to avoid plagiarism:

[Avoiding Plagiarism](#)

This 22-minute video also provides a good overview of how to avoid trouble when using sources: From the college home page select SERVICES, then LIBRARY MEDIA CENTER, then DATABASES, then FILMS ON DEMAND. At their site, search by title for **PLAGIARISM 2.0: ETHICS IN THE DIGITAL AGE**.

▪ **Student Code of Conduct and Academic Integrity**

Any act of academic dishonesty, including cheating, plagiarism (using the ideas or words of another as one's own without crediting the source), and fabrication 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 Success for investigation. Specific student rights, responsibilities, and appeal procedures are listed in the Student Code of Conduct at: [Student Code](#)

[If you plan to use a plagiarism checking service, you should indicate so in your syllabus. Please make sure your penalty for plagiarism does not contradict official college policy. You may find it simplest to not specify a penalty and simply refer all cases to the Dean for investigation. Incident reports can be filed at <http://www.bellevuecollege.edu/reportconcerns/>]

Important Links

▪ Bellevue College E-mail and access to MyBC

All students registered for classes at Bellevue College are entitled to a network and e-mail account. Your student network account can be used to access your student e-mail, log in to computers in labs and classrooms, connect to the BC wireless network and log in to MyBC. To create your account, go to: [Create Email](#)

BC offers a wide variety of computer and learning labs to enhance learning and student success. Find current campus locations for all student labs by visiting the [Technology Help Desk](#)

▪ Disability Resource Center (DRC)

The Disability Resource Center serves students with a wide array of learning challenges and disabilities. If you are a student who has a disability or learning challenge for which you have documentation or have seen someone for treatment and if you feel you may need accommodations in order to be successful in college, please contact us as soon as possible.

If you are a person who requires assistance in case of an emergency situation, such as a fire, earthquake, etc, please meet with your individual instructors to develop a safety plan within the first week of the quarter.

If you are a student with a documented autism spectrum disorder, there is an additional access program available to you. Contact [Autism Spectrum Navigators](#) Email and phone number is on the web page. ASN is located in the Library Media Center in D125.

The DRC office is located in B132 or you can call our reception desk at 425.564.2498. Deaf students can reach us by Skype: the address is **DRCatBC** (NOTE: There is no @ sign...it is actually **DRCatBC**). Please visit our website at [Disability Resource Center](#) for application information into our program and other helpful links.

Accessibility

The online elements of this course are designed to be welcoming to, accessible to, and usable by everyone, including students who are English-language learners, have a variety of learning styles, have disabilities, or are new to online learning. Be sure to let me know immediately if you encounter a required element or resource in the course that is not accessible to you. Also, let me know of changes I can make to

the course so that it is more welcoming to, accessible to, or usable by students who take this course in the future.

▪ **Public Safety**

Public Safety and Emergencies

Public Safety is located in the K building and can be reached at **425-564-2400** (easy to remember because it's the only office on campus open 24 hours a day—2400). Among other things, Public Safety serves as our Parking Permits, Lost and Found, and Emergency Notification center. Please ensure you are signed up to receive alerts through our campus alerting system by registering at [RAVE Alert Registration](#)

If you work late and are uneasy about going to your car, Public Safety will escort you to your vehicle. To coordinate this, please phone ahead and let Public Safety know when and where you will need an escort.

Please familiarize yourself with the emergency postings by the door of every classroom and know where to go in the event of an evacuation. Your instructor will be asked if anyone might still be in the building, so check in before you do anything else. Emergency responders will search for anyone unaccounted for.

If a major emergency occurs, please follow these three rules:

- 1) Take directions from those in charge of the response** -We all need to be working together.
- 2) Do not get in your car and leave campus (unless directed to)** - Doing so will clog streets and prevent emergency vehicles from entering the scene. Instead, follow directions from those in charge.
- 3) In an emergency, call 911 first, then Public Safety.**

Please do not hesitate to call Public Safety if you have safety questions or concerns at any time. You may also visit the [Public Safety](#) web page for answers to your questions.

▪ **Final Exam Schedule**

[Replace this text with information from the link below or add information about your final exam.]

Final Exam Schedule

▪ Academic Calendar

The Bellevue College Academic Calendar is separated into two calendars. They provide information about holidays, closures and important enrollment dates such as the finals schedule.

- [Enrollment Calendar](#) On this calendar you will find admissions and registration dates and important dates for withdrawing and receiving tuition refunds.
- [College Calendar](#) This calendar gives you the year at a glance and includes college holidays, scheduled closures, quarter end and start dates, and final exam dates.

