

Last Revised: October 1, 2020

COURSE INFORMATION

Course Title: Natural Hazards **Course Number:** GEOG 207 **Credits:** 3

Total Weeks: 14 (Fall, Spring)
12 (Summer) **Total Hours:** 39 **Course Level:** First Year Second Year
 New Revised Course
 Replacement Course

Department: Geography **Department Head:** Audrey McDougall **Former Course Code:** N/A

Pre-requisites: Geography 101 or Geography 102 or equivalent

Co-requisite Statement: NONE

Precluded Courses: N/A

COURSE DESCRIPTION

This course investigates the human dimensions of the global experience with natural hazards and associated disasters. It will explore the physical nature of a variety of events and processes such as earthquakes, global warming, floods, cyclones, tsunamis. These events are defined as hazards because they pose a threat to human interests, lives, and their built infrastructure. In addition, disaster preparedness, disaster risk reduction and hazard mitigation will be examined.

LEARNING OUTCOMES

Upon successful completion of the course, students will be able to:

- Demonstrate an understanding of Earth's geologic, hydrologic, and atmospheric processes
- Identify the cause-and-effect relationships between earth processes and natural hazards
- Assess the potential impact on society and infrastructure
- Identify the mitigation strategies used to minimize the impact of natural hazards

INSTRUCTION AND GRADING

Instructional (Contact) Hours:

Type	Duration
Lecture	26
Seminars/Tutorials	9
Laboratory	4
Field Experience	
Other (<i>specify</i>):	
Total	39

Grading System: Letter Grades Percentage Pass/Fail Satisfactory/Unsatisfactory Other

Specify passing grade: 50%

Evaluation Activities and Weighting (total must equal 100%)

Assignments: % <i>Specify number of, variety, and nature of assignments:</i>	Lab Work: Three labs 15%	Participation: % <i>Specify nature of participation:</i>	Project: 20% <i>Specify nature of project: Case Study Synopsis</i>
Quizzes/Test: %	Midterm Exams: 25%	Final Exam: 25%	Other: 15% <i>Specify: Group Assignment</i>

TEXT(S) AND RESOURCE MATERIALS

Provide a full reference for each text and/or resource material and include whether required/not required.

Natural Disasters 11th Edition, by Patrick L. Abbott
 McGraw-Hill Higher Education International
 Print ISBN: 9781260566045, 12605660488
 eText ISBN: 9781260568776, 1260568776
 Copyright: 2020

COURSE TOPICS

List topics and sequence covered.

Week	Topic
Week 1	Natural Disasters and the Human Population
Week 2	Climate Change
Week 3	External Energy Fuels Weather and Climate
Week 4	Hurricanes/Cyclones/Typhoons
Week 5	Tornadoes, Lightening, Heat and Cold
Week 6	Floods
Week 7	MIDTERM EXAM
Week 8	Internal Energy and Plate Tectonics
Week 9	Earthquake Geology and Seismology
Week 10	Earthquakes
Week 11	Volcanoes
Week 12	Mass Movements

Week 13 Fire and Tsunamis

Week 14 **FINAL EXAM**

NOTES

1. Students are required to follow all College policies. Policies are available on the website at: [Coquitlam College Policies](#)
2. To find out how this course transfers, visit the BC Transfer Guide at: bctransferguide.ca