



CAMOSUN COLLEGE
School of Arts & Science
Department of Social Sciences

GEOG-111-002
Natural Hazards
Winter, 2018

COURSE OUTLINE

The course description is online @ <http://camosun.ca/learn/calendar/current/web/geog.html>

☐ Please note: This outline will not be kept indefinitely. It is recommended students keep this outline for their records, especially to assist in transfer credit to post-secondary institutions.

1. Instructor Information

(a) Instructor	Hilary Sandford
(b) Office hours	Tuesday and Thursday 11:30-12:30
(c) Location	Fisher 342D
(d) Phone	250-370-3250 Alternative:
(e) E-mail	sandford@camosun.ca

2. Intended Learning Outcomes

Upon completion of this course the student will be able to:

1. Describe the natural environmental processes that underlie natural hazards.
2. Explain how human development and planning influence natural hazard risk.
3. Use basic risk assessment and mitigation tools related to natural hazards.

3. Required Materials

Keller, E.A., R.H. Blodgett and J.J. Clague, 2015. Natural Hazards, 3rd Canadian Edition. Toronto: Pearson Education Canada, 488 pp.

This is available in the bookstore and is on reserve in the library for your use. I will not be examining from the text so this is an OPTIONAL purchase for you. I do provide you with the accompanying chapter references for each lecture in the course schedule but this is supplemental reading.

Lab exercises will be available electronically on the course D2L site.

4. Course Content and Schedule

Lectures: There will be two hours of lecture per week, usually on Wednesdays. The whiteboard will be heavily utilized and digital images will augment the traditional lecture style.

D2L: I use D2L, a learning support software, extensively in this course. It is a fairly user-friendly site that allows you to access lecture notes, electronic lab exercises, hand in your assignments digitally, track your mark, and be alerted to upcoming due dates or changes in assignments. I strongly encourage you to use this support site in this course.

Labs: Nine lab exercises will be assigned during the term. These activities are designed to practically apply some of the tools of hazards assessment. Due dates will be one week from the date the lab is assigned, unless otherwise specified. Late assignments will not be accepted after I have returned the marked labs. Anyone cheating or copying work will receive a mark of zero on the assignment.

Event Timeline: In early March I will ask you to provide an event summary for a natural disaster or catastrophe that has happened in the last century. You will prepare a well-written, tightly edited summary document of no more than two pages plus a well laid-out page of appropriate photos that will be displayed along an event timeline at the back of the classroom. This timeline will serve as a study tool for the final exam.

Podcast Quizzes: In the fall of last year, CBC broadcast a series called Fault Lines, a radio documentary that specifically assesses Victoria's risk of both shallow and deep earthquake events. It is a scary but excellent overview and is well worth your listening time. To ensure that you have listened to the five part series by the end of the term, there will be a sequence of brief quizzes on the material throughout the term.

Midterm Exam: The midterm exam will be held on **Friday, March 2nd** and will be a selection of short-answer, multiple-choice, and short essay-type questions. Attendance is mandatory and illness must be declared before the exam begins and confirmed with a doctor's note.

Final Exam: There will be a final exam during the College exam week. This exam will focus on the material from the second half of the course. Attendance is mandatory and alternate arrangements can only be made for documented illness.

2018 COURSE SCHEDULE: Geography 111-002

<u>Week of:</u>	<u>Wednesday</u>	<u>Friday</u>
Jan 8	Course Introduction Reading: Chapter 1	Lab 1 – Topographic Maps
Jan 15	Hazard Systems Reading: Chapter 1	Lab 1 – Topographic Maps cont.
Jan 22	Earthquakes Reading: Chapter 3	Lab 2 – Earthquakes
Jan 29	Tsunamis Reading: Chapter 4	Lab 3 – Tsunamis

Feb 5	Coastal Hazards Reading: Chapter 12	Lab 4 – Coastal Hazards
Feb 12	<i>Family Day</i>	<i>Reading Break</i>
Feb 19	Volcanoes Reading: Chapter 5	Lab 5 – Volcanoes
Feb 26	Event Timeline Overview	Midterm
Mar 5	Landslides Reading: Chapter 6	Lab 6 – Landslides
Mar 12	Floods Reading: Chapter 9	Lab 7 – Floods
Mar 19	Extreme Weather Reading: Chapter 10 & 11	Lab 8 – Hurricanes
Mar 26	Fire & Drought Reading: Chapter 13	Lab 9 – Fire
Apr 2	Climate Change Reading: Chapter 14	Event Timeline
Apr 9	Avalanches Reading: Chapter 7	<i>Review Class</i>

5. Basis of Student Assessment (Weighting)

The final mark for the course will be determined by student performance in each of these components.

Lab Exercises	40%
Midterm Exam	20%
Podcast Quizzes	5%
Event Timeline Component	10%
Final Exam	<u>25%</u>
	100%

6. Grading System

- Standard Grading System (GPA)
- Competency Based Grading System

7. College Supports, Services and Policies

Immediate, Urgent, or Emergency Support

If you or someone you know requires immediate, urgent, or emergency support (e.g. illness, injury, thoughts of suicide, sexual assault, etc.), **SEEK HELP**. Resource contacts @ <http://camosun.ca/about/mental-health/emergency.html> or <http://camosun.ca/services/sexual-violence/get-support.html#urgent>

College Services

Camosun offers a variety of health and academic support services, including counselling, dental, disability resource centre, help centre, learning skills, sexual violence support & education, library, and writing centre. For more information on each of these services, visit the **STUDENT SERVICES** link on the College website at <http://camosun.ca/>

College Policies

Camosun strives to provide clear, transparent, and easily accessible policies that exemplify the college's commitment to life-changing learning. It is the student's responsibility to become familiar with the content of College policies. Policies are available on the College website at <http://camosun.ca/about/policies/>. Education and academic policies include, but are not limited to, Academic Progress, Admission, Course Withdrawals, Standards for Awarding Credentials, Involuntary Health and Safety Leave of Absence, Prior Learning Assessment, Medical/Compassionate Withdrawal, Sexual Violence and Misconduct, Student Ancillary Fees, Student Appeals, Student Conduct, and Student Penalties and Fines.

A. GRADING SYSTEMS <http://camosun.ca/about/policies/index.html>

The following two grading systems are used at Camosun College:

1. Standard Grading System (GPA)

Percentage	Grade	Description	Grade Point Equivalency
90-100	A+		9
85-89	A		8
80-84	A-		7
77-79	B+		6
73-76	B		5
70-72	B-		4
65-69	C+		3
60-64	C		2
50-59	D		1
0-49	F	Minimum level has not been achieved.	0

2. Competency Based Grading System (Non GPA)

This grading system is based on satisfactory acquisition of defined skills or successful completion of the course learning outcomes

Grade	Description
COM	The student has met the goals, criteria, or competencies established for this course, practicum or field placement.
DST	The student has met and exceeded, above and beyond expectation, the goals, criteria, or competencies established for this course, practicum or field placement.

NC	The student has not met the goals, criteria or competencies established for this course, practicum or field placement.
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B. Temporary Grades

Temporary grades are assigned for specific circumstances and will convert to a final grade according to the grading scheme being used in the course. See Grading Policy at <http://camosun.ca/about/policies/index.html> for information on conversion to final grades, and for additional information on student record and transcript notations.

Temporary Grade	Description
I	<i>Incomplete:</i> A temporary grade assigned when the requirements of a course have not yet been completed due to hardship or extenuating circumstances, such as illness or death in the family.
IP	<i>In progress:</i> A temporary grade assigned for courses that are designed to have an anticipated enrollment that extends beyond one term. No more than two IP grades will be assigned for the same course.
CW	<i>Compulsory Withdrawal:</i> A temporary grade assigned by a Dean when an instructor, after documenting the prescriptive strategies applied and consulting with peers, deems that a student is unsafe to self or others and must be removed from the lab, practicum, worksite, or field placement.