



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Social Sciences**

**GEOG-111-001**  
**Natural Hazards**  
**Summer 2019**

## **COURSE OUTLINE**

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

Ω 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.

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### **1. Instructor Information**

(a) Instructor	Ben Paquette-Struger
(b) Office hours	Mon, Wed 1:00 – 2:00; Other times available by chance or appointment
(c) Location	Paul 237
(d) Phone	NA
(e) E-mail	Benjamin.paquette.struger@gmail.com
(f) Website	D2L

### **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**

(a) Texts

Keller, E.A., D.E. DeVecchio and J.J. Claque, 2015. *Natural Hazards, 3<sup>rd</sup> Canadian Edition*. Toronto: Pearson Education Canada, 504 pp.

- This is available in the book store, and there also will be a reserve copy in the library.

### **4. Course Content and Schedule**

- **Lectures:** This class has two four-hour blocks on Mondays and Wednesdays **in Fisher 338?** Attendance is essential. I will post lecture PowerPoint slides on D2L. Note, however, that these are heavy on pictures and light on words; they are no substitute for coming to class! You will need to take detailed class notes and keep up with textbook reading assignments to optimize your learning experience.

- **Readings** are an essential part of this course – they provide depth and context that are indispensable to your understanding of the course material. Specific reading assignments are detailed below; these may be modified as the term goes on.

**Assignments:** There are eight lab assignments. You can download these from the course web site on D2L. Time to work on labs will be provided every class. You may work with others, but each student must write their own individual answers unless instructed otherwise. Attendance of labs is very important. No credit will be given for wrong answers or missed activities due to unexcused absence from lab. Printed copies of answers are due a week after the lab period unless otherwise noted. Late assignments are subject to a 10% per day penalty, and will NOT be accepted after I have returned them marked.

- **Poster Project:** Working in pairs, each student will be responsible for researching and assembling a hazard-related poster, to be presented in class during a poster session. Failure to present a completed poster on the appointed day will result in late penalties or a mark of zero for the assignment.
- **Field Trip:** There will be a mandatory field trip to observe coastal hazards around Victoria. You must attend and complete a short assignment, to be handed in at the end of the trip. Transportation details will be arranged in class.
- **Exams:** There will be a midterm and a final exam. The format for these will be a combination of multiple choice, short answer and long answer questions. They mainly will emphasize the lecture material, though lab material will also be drawn upon. The final exam will be cumulative.
- **Illness, etc.:** If you miss a lab or exam due to illness or some other serious reason, I must ask you to provide a doctor's note or other documentation to support your story. Otherwise, a mark of zero for the missed assignment will be given. Exams and field trips are hard to reschedule, so try not to miss them unless you are too sick to perform at a normal level.

Students who miss an exam for a valid reason must contact me within 24 hours with an explanation. In such cases, one makeup exam time will be scheduled, and all students needing it will be expected to attend.

- COURSE SCHEDULE** (Subject to change at instructor's discretion):

<b>Day of</b>	<b>Lecture Component</b>	<b>Lab Component</b>
06-May-19	Course introduction + Hazard systems 1	<i>Reading: Ch. 1</i>
08-May-19	Hazard systems 2 <i>Reading: Ch. 2</i>	Lab 1: Topographic maps
13-May-19	Earthquakes <i>Reading: Ch. 3</i>	Lab 2: Earthquakes
15-May-19	Tsunamis <i>Reading: Ch. 4</i>	Lab 3: Tsunamis
20-May-19	<b><u>HOLIDAY – NO CLASS</u></b>	<b><u>HOLIDAY – NO CLASS</u></b>
22-May-19	Coastal hazards <i>Reading: Ch. 12</i>	Lab 4: Coastal hazards <b>In computer lab</b>
27-May-19	<b>MIDTERM</b>	Volcanoes <i>Reading: Ch. 5</i>
29-May-19	Floods <i>Reading: Ch.9</i>	Lab 5: Flooding
03-Jun-19	Landslides <i>Reading: Ch. 6 (Ch. 7 optional)</i>	Lab 6: Landslides
05-Jun-19	Storms <i>Reading: Ch. 10, 11</i>	Lab 7: Storms
10-Jun-19	Drought and wildfire <i>Reading: Ch. 13</i>	Lab 8: Wildfire <b>In computer lab</b>
12-Jun-19	Climate change <i>Reading: Ch. 14</i>	Movie day! <b>(Is your project almost done?)</b>
17-Jun-19	Space Hazards <i>Reading: Ch. 15</i>	<b>Poster session</b>
19-Jun-19	<b>Guest lecture</b>	<b>Review for exam</b>

Exam Week    **Final Exam**

## 5. Basis of Student Assessment (Weighting)

Evaluation will be based on accuracy, thoroughness, and neatness. When I grade your work, I am looking for proof of your understanding, so do everything clearly and carefully – that way you may get partial credit, even for wrong answers. As a general rule, always show your work and keep track of units of measure! I endeavor to mark things fairly and consistently, but if you have a question about my assessment, feel free to ask about it.

(a)	Labs	50%
(b)	Midterm exam	20%
(c)	Final exam	30%

## 6. Grading System

Standard Grading System (GPA)

Competency Based Grading System

## 7. Recommended Materials to Assist Students to Succeed Throughout the Course

## 8. 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.

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.

