



**CAMOSUN COLLEGE**  
**School of Arts & Science**  
**Department of Environmental Technology**

**ENVR-207-D01A and D01B**  
**Applied Geomorphology**  
**Fall 2021**

**COURSE OUTLINE**

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*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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**ABOUT THE PANDEMIC**

It's an unusual time to be taking this class, to say the least. Everyone is under more stress than usual, with worries about ourselves and loved ones getting sick, loss of employment income, and no clear end in sight.

ET is an applied program, and part of what we try to instill in our students is a sense of professionalism. That means showing up, participating, doing your best work and delivering it on time. Let's also make this as easy as possible by being extra kind, patient and respectful with each other.

Also see the abundance of COVID-19 information on Camosun's web site: <http://camosun.ca/covid19/>.

**1. Instructor Information**

Instructors:	Nesha Wright
Office hours:	Friday after class Other times available by appointment, just email.
Location:	Fisher 346A
Phone:	Please email.
Email:	Wrightn@camosun.bc.ca, I do not check the D2L email as frequently.
Web site:	D2L (online.camosun.ca)

## 2. Intended Learning Outcomes

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

1. Describe the major mechanisms of initial land formation.
2. Identify the physical processes and landforms associated with geomorphic agents such as gravity, water and ice.
3. Describe the Quaternary landscape history of southwestern BC.
4. Use a variety of tools and assessment methods common to geomorphological investigations.
5. Carry out a field-based geomorphological project, data collection, analysis and reporting.
6. Interpret sedimentary deposits.

## 3. Course Materials

There is no single textbook for this course. Provided lecture and lab material will be your primary information sources. Readings are important supplements, however, as they provide a different perspective and additional depth. Recommended readings will come from several sources, all of which are available in the bookstore or in the library.

With some exceptions, I don't intend to base labs or test material directly on readings, so you may be able to substitute different texts. The important thing is to be reading something academic and relevant to the week's subject matter. One good online text is [Fundamentals of Physical Geography](#).

(a)	Texts	<p><u>Optional</u>: Christopherson, R.W. and M. Byrne, 2016. <i>Geosystems, 4<sup>th</sup> Canadian Edition</i>. Toronto: Pearson Education Canada, 669 pp. plus appendices.</p> <ul style="list-style-type: none"><li>• Older versions are around, and will probably do the job.</li></ul> <p><u>Optional</u>: Trenhaile, A.S., 2013. <i>Geomorphology: A Canadian Perspective, 5<sup>th</sup> Edition</i>. Don Mills, ON: Oxford University Press Canada, 575 pp.</p> <ul style="list-style-type: none"><li>• Same comment as above.</li></ul> <p><u>Optional</u>: Yorath, C.J., 2005. <i>The Geology of Southern Vancouver Island, Revised Edition</i>. Madeira Park, BC: Harbour Publishing, 205 pp.</p> <ul style="list-style-type: none"><li>• This can be found at Camosun and most other local bookstores.</li></ul>
(b)	Equipment	<p>You will need a computer for this class – not just a smart phone. If you don't have access to one, you can look into the loaner program set up by Camosun by contacting <a href="mailto:laptops@camosun.bc.ca">laptops@camosun.bc.ca</a>. Some computer access may be possible at Camosun's libraries.</p>

#### 4. Course Format

- **Lectures:** Lecture material will provide the background you need to understand the labs and pass the quizzes and final exam. Lecture slides will be posted to D2L at the end of each week however will not contain a lot of detail. You can access these on your own schedule if you would like to review, but make sure you are keeping pace so you are ready for the quizzes as they come along.
- **Readings:** Reading assignments will be provided as the term goes.
- **Labs:** Lab assignments and supplemental material will be posted on D2L. Please read assignments ahead of time so you can make the most of lab time.  
Unless otherwise stated by the instructors, students will be expected to complete and hand in individual assignments, though cooperation is encouraged.  
Lab performance will be evaluated based on thoroughness, neatness, accuracy, participation and, occasionally, writing quality. Labs will generally be due the following week, and will not be accepted at all after they have been marked and returned. Late work is subject to a penalty of 10% per day – hopefully enough to remind you that deadlines matter in the real world.
- **Field trips:** I am trying to work this out with the school right now. The schedule is subject to change as a result – hopefully we can get outside! This is what the TBA in the course calendar are currently holding space for.

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- **Project:** Students will be expected to research either a local landform or an applied geomorphology case study from anywhere in the world. Final reports must be in poster format. These will be presented at an online poster session, with opportunities for Q&A. Details will be provided in a separate handout.
  - **Tests:** There will be four quizzes and a final exam. The quizzes each will cover roughly two weeks of lecture material, and will not be cumulative. The final exam will be cumulative, and cover both lecture and lab material. The format will be a combination of multiple choice, short answer and long-answer questions. Details TBA.
  - **Illness, etc.:** If you miss a required activity or blow a deadline due to illness or some other serious reason, we will likely require a doctor's note or other documentation to support your story. Otherwise, a mark of zero for the missed assignment will be given. Tests and field trips are hard to reschedule, so try not to miss them unless you are too sick to perform at a reasonable level. This being the time of COVID, we realize that issues like this may come up more often. Prompt communication is key.

## 5. Basis of Student Assessment

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

(a)	Labs	40% Lab 3 worth 10%)
(b)	Project	15%
(c)	Quizzes	4 @ 5% = 20%
(d)	Final Exam	20%
(e)	Class Discussions	5%

## 6. Grading System

This course uses Camosun's standard grading system:

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

For more detail, see <http://camosun.ca/about/policies/index.html>

7. COURSE SCHEDULE (Subject to change at instructors' discretion):

<b>Week</b>	<b>Lab (Monday)</b>	<b>Lecture (Friday)</b>
6-Sep	Labour Day	Course Intro
13-Sep	Landform and Glacier	Glaciers/Quiz 1
20-Sep	Lab: Glaciers	Weathering and Slope
27-Sep	No lab; readings assigned via D2L	Slope stability
4-Oct	Lab: Slope stability	Coasts/Quiz 2
11-Oct	No class	Rivers pt 1
18-Oct	<b>Field Lab! Come prepared to be outside</b>	Rivers pt 2/Quiz 3
25-Oct	Lab: Surface Hydrology	TBA
1-Nov	Lab: Fluvial Landforms	Terrain
8-Nov	<b>No class</b>	No class
15-Nov	Lab: Terrain	Perriglacial/Quiz 4
22-Nov	Location TBD	TBD
29-Nov	Poster Session	Discussion
6-Dec	Poster Session	Exam

Exam Weeks: Review session (date and time TBD)  
Final exam (date and time TBD)

## 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.