

Dr. Eva Kwohl

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COURSE OUTLINE  
GEOG 376 PROCESS GEOMORPHOLOGY (CRN: 11744)

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Office Hours: Th 11:30 – 12:30 pm via Zoom<sup>1</sup>, or by appointment

Office Location: DTB B123a

Contact: [ekwohl@uvic.ca](mailto:ekwohl@uvic.ca)

### COURSE DESCRIPTION

This course follows the Introductory Geomorphology Course (GEOG 276). Here, you will dive into the processes that create and maintain landforms. You will learn about geomorphic systems, the principle forces behind geomorphic change, feedbacks, and process linkages in natural systems. You will explore the mechanics behind the creation and transport of sediment from hillslopes to low-lying coastal areas and the formation of characteristic erosional and depositional landforms. The course is divided into 4 major topics, including hillslope, fluvial, coastal + aeolian, glacial + periglacial processes. You will learn about traditional and more advanced research methods and apply some of these techniques in lab exercises.

### LEARNING OUTCOMES

At the end of this course the students will be able to

- Explain the principle forces and feedbacks driving geomorphic processes on Earth
- Apply basic physical relations to solve geomorphic problems
- Evaluate the suitability of research methods for a given research problem
- Critically reflect on scientific articles on geomorphic research

This outline lists information for both the lecture (A01) and lab (B01-B03) portions. In order to receive a spot in a lab section, you must currently be enrolled in the lecture portion as well.

**Note: Due to COVID-19 the course is being taught fully online. Course materials and instructions will be made available on Brightspace ([bright.uvic.ca](http://bright.uvic.ca)). Please read this outline and further instructions on Brightspace carefully.**

- **We will hold regular online class meetings ('live lectures') via Zoom<sup>1</sup> at the scheduled lecture times (s. schedule on page 5), all other lecture material is pre-recorded for self-paced learning. Regular Quizzes on Brightspace ([bright.uvic.ca](http://bright.uvic.ca)) will make sure that you are keeping up with the material.**

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<sup>1</sup> Find instructions on how to attend zoom meetings on page 6.

- Labs will be held virtually via Zoom and material is available through Brightspace. Labs will be submitted through Brightspace to your TA.
- All Exams (Midterm I and II, and the Final) will be held via Brightspace as well. Further instructions will be announced closer to the day.

**REQUIRED TEXTS**

Throughout this course, I will provide a number of scientific articles and reading assignments that will be announced in class. Most of these articles will stem from:

Schroeder, J. (Editor in Chief) et al. (2013). Treatise on Geomorphology. Available online as html or PDF via Uvic Library E-book. ISBN: 978-0-12-398353-4. DOI: 10.1016/B978-0-12-374739-6.09021-7

**RECOMMENDED TEXTS**

This is a very comprehensive text book that was traditionally used in this class. A copy of it will be on reserve in the library. It will be useful to prepare for exams or find additional literature:

Ritter, D.F., R.C. Kochel, and J.F. Miller (2011). Process Geomorphology (5/e). Waveland Press (ISBN 13: 978-1-57766-669-1).

EVALUATION	
Quizzes	10%
Lab assignments	40%
Mid-term I	15%
Mid-term II	15%
Final Exam	20%

**GRADING SYSTEM**

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+	9	90-100%	Exceptional, outstanding and excellent performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
A	8	85-89%	
A-	7	80-84%	
B+	6	77-79%	Very good, good and solid performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.
B	5	73-76%	
B-	4	70-72%	
C+	3	65-69%	Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.
C	2	60-64%	

D	1	50-59%	Marginal Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
F	0	0-49%	Unsatisfactory performance. Wrote final examination and completed course requirements; no supplemental.
N	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.

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## GEOGRAPHY DEPARTMENT INFO

- Geography Department website: <http://geog.uvic.ca>
  - Undergraduate Advisor: Janette DeLong – [geogadvisor@uvic.ca](mailto:geogadvisor@uvic.ca)
  - Department Chair: Dr. David Atkinson [geogchair@uvic.ca](mailto:geogchair@uvic.ca)
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## POLICIES

### 1. Labs:

- Lab assignments are an essential part of GEOG376. Students are required to complete all assignments and obtain a passing grade to obtain credit for this course.
- Labs are due 2 week after assigned unless specified otherwise (s. schedule below).
- All details regarding labs & their marks are managed by your TA. Please attend only the section for which you are registered. Arrange with your TA if you can not attend a section.
- Software for spreadsheet analyses and graphing (e.g., MS Excel, Open Office, etc.) will be required for some labs. Additional software will have to be installed as we go along.

### 2. Lateness policy:

- A deduction of 10% of the total mark per weekday (weekends count as 1 day) will be applied to all late lab assignments. Accommodations are made only for extenuating circumstances with proper medical or counselling documentation provided. Extensions are only granted through prior consultation with me (Eva).

### 3. Quizzes:

- Quizzes will be due at the end of each thematic block and are worth 10% of your final grade. They will be published on Brightspace in their respective week (s. schedule below) on Thursday at 09:00 AM and are due on Friday at 5:00 PM. There are no time restrictions.

### 4. Examinations:

- The Mid-terms will be published during lecture time on the dates shown below.
- Mid-terms are restricted to 60 minutes.
- Exam attendance is mandatory. Exceptions will be made only under the following conditions:
  - o I am informed in person before the exam that the absence will occur.

- o the student has proper written documentation of a serious medical or compassionate cause for the absence AND this documentation is provided either before or immediately after the exam;
- o see UVic Course Calendar for official university guidelines. Please feel free to contact me with any concerns.

#### 5. Availability

- While we do our best to guide you through this unprecedented learning experience, TAs and I will not be answering emails 24/7. Make sure that you address all questions regarding assignments or lecture material in time to receive a response within weekdays!

#### IN THE EVENT....

that Brightspace is down: contact me via email to access the lecture material and extend deadlines for quizzes

contact your TA to access the lab material or arrange for alternative lab submission

that Zoom is down: Live Lectures and Lab Instruction will be recorded. Contact us if you had technical difficulties on the day and could not join.

Ensure that everything is setup and working before any scheduled zoom meetings or assignments!

Contact Computer Helpdesk with any technical issues:

Email: [helpdesk@uvic.ca](mailto:helpdesk@uvic.ca). Phone: 250-721-7687

#### PLAGIARISM

If you include external sources in your lab assignments you must use proper citation and follow good scientific practice. For more details on when and how to cite, please see:

<http://www.uvic.ca/learningandteaching/students/resources/expectations/>

The labs will involve group work, however each student must submit their own lab assignment. Penalties will be given for duplicated assignments.

Policy on Academic Integrity: <https://web.uvic.ca/calendar2020-01/undergrad/info/regulations/academic-integrity.html>

#### ACCESSIBILITY

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a documented disability/health consideration that may require accommodations, please feel free to approach me and/or the Resource Centre for Students with a Disability (RCSD) as soon as possible. The RCSD staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations <http://rcsd.uvic.ca/>. The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.

**POSITIVITY AND SAFETY**

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members.

**Course Experience Survey (CES)**

I value your feedback on this course. Towards the end of term, as in all other courses at UVic, you will have the opportunity to complete an anonymous survey regarding your learning experience (CES). The survey is vital to providing feedback to me regarding the course and my teaching, as well as to help the department improve the overall program for students in the future. The survey is accessed via MyPage and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more detailed information nearer the time but please be thinking about this important activity during the course.

**Course Schedule**

W	Dates	Monday	Thursday	Lab Instruction	Lab due date	Quiz
1	07.09-13.09	Labour Day	Live Lecture			
2	14.09-20.09	Key Concepts and Hillslope Processes		Lab 1		
3	21.09-27.09		Live Lecture	non-instructional <sup>1</sup>		Quiz 1 <sup>3</sup>
4	28.09-04.10	Fluvial Processes I		Lab 2	Lab 1 due <sup>2</sup>	
5	05.10-11.10		Live Lecture	non-instructional <sup>1</sup>		Quiz 2a <sup>3</sup>
6	12.10-18.10	Thanksgiving	Midterm I			
7	19.10-25.10	Fluvial Processes II	Live Lecture		Lab 2 due <sup>2</sup>	Quiz 2b <sup>3</sup>
8	26.10-01.11	Glacial and Periglacial Processes		Lab 3		
9	02.11-08.11		Live Lecture	non-instructional <sup>1</sup>		Quiz 3 <sup>3</sup>
10	09.11-15.11	Reading Break	Midterm II			
11	16.11-22.11		Live Lecture	Lab 4	Lab 3 due <sup>2</sup>	
12	23.11-29.11	Coastal and Aeolian Geomorphology		non-instructional <sup>1</sup>		Quiz 4 <sup>3</sup>
13	30.11-06.12		Live Lecture		Lab 4 due <sup>2</sup>	

<sup>1</sup> during non-instructional lab times the TAs will assist via Zoom

<sup>2</sup> Labs are submitted via Brightspace and are due at the start of your respective lab time

<sup>3</sup> Quizzes are available on Brightspace on Thursday at 09:00 AM and close on Friday at 5:00 PM

Course Credit  
Components are  
due

Zoom Attendance  
is required

LAB  
INFORMATION

TA Information

Lab	Day	Time	Name	Email	Virtual Office hours
B01	M	09:30-11:20 AM	William Shulba	<a href="mailto:shulba@uvic.ca">shulba@uvic.ca</a>	M 8-9 AM
B02	T	08:30-10:20 AM	William Shulba	<a href="mailto:shulba@uvic.ca">shulba@uvic.ca</a>	T 11-12
B03	W	08:30-10:20 AM	Nicola Houtman	<a href="mailto:nicolahoutman@gmail.com">nicolahoutman@gmail.com</a>	T 9-10 AM

Mark Breakdown

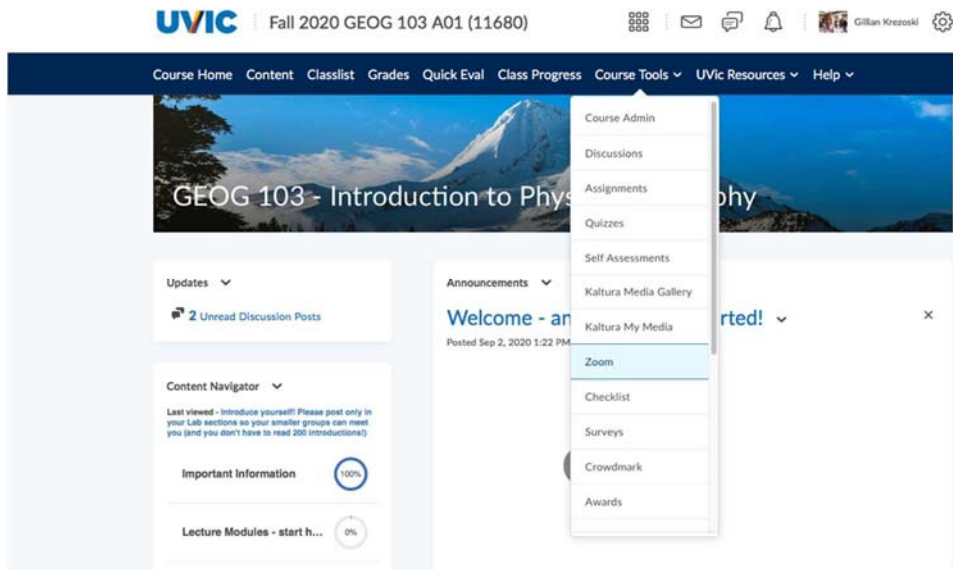
Lab #1 – Hillslope Processes and Mass Wasting	8% (85 marks)
Lab #2 – Fluvial Processes	12% (127.5 marks)
Lab #3 – Glacial & Periglacial Processes	8% (85 marks)
Lab #4 – Coastal & Aeolian Processes	12% (127.5 marks)
Total Class Lab Mark	40%

Lab Format:

1. Attend your lab section virtually via Zoom for an introduction to the topic.
  - a. Please arrange with your TA if you need to miss a lab section to i) either attend a different lab section, or ii) meet your TA during their office hours.
2. Review your lab document and any posted video/notes on Brightspace (bright.uvic.ca).
3. Complete lab activities.
4. Attend your lab’s virtual work sessions (non-instructional zoom meetings) and your TA’s office hours with questions.
  - a. Virtual work sessions and TA office hours are held in the same zoom meeting room as your TA’s lab section.
5. Submit your assignment via virtual dropbox on Brightspace before the posted due date/time.

Instructions on how to attend zoom meetings:

- 1) Bright.uvic.ca  Course Tools  Zoom



2) Choose your correct meeting (based on your assigned lab section/TA or lecture)

Note, you might have to sign in (depending on how you get to brightspace).



Workshops for students through LTSI/TIL: <https://www.uvic.ca/til/services/home/workshops/>

**DISCLAIMER**

The presented schedules, policies, procedures, and assignments in this course are subject to change in the event of extenuating circumstances.

**University of Victoria Important Dates**

Sep 25 – Last day for adding courses that begin in the first term.

Oct 31 - Last day for withdrawing from first term courses without penalty of failure

Additional important dates can be accessed through the link below.

<https://www.uvic.ca/calendar/dates/index.php>

