



COURSE OUTLINE
Introduction to Geomorphology

Lectures: Tuesdays/Wednesdays 11:30-12:20, COR A221 (Jan 11,12,18,19 Online via ZOOM – see schedule below)

Office Hours: Weds 9-11

Office Location: DTB B302 (or via Zoom)

Contact: gkrezoski@uvic.ca or (250) 472-4269 (office phone)

COURSE DESCRIPTION

Geomorphology is the study of the surface of the Earth. What makes geomorphology different from the other earth science fields is that it is primarily rooted in the explanation of present landforms and active processes. From the perspective developed by studying the present, geomorphologists may seek to interpret the importance of past events on present landforms.

This course examines a variety of geomorphological processes and systems. The goal is to provide students with an appreciation of how the landscape around them formed and its continued evolution with particular focus on landscapes of British Columbia, Canada, and western North America.

KEY THEMES:

1. Recognise and describe the characteristics of common landforms.
2. Understand and explain the physical principles of common geomorphic and hydrologic processes, and the functioning of the water and sediment cascades.
3. Explain landform development in relation to the relevant geomorphic and hydrologic processes and anticipate the effects of environmental change on both the processes and landforms.
4. Discuss, with the help of case examples, the application of geomorphology and hydrology to environmental management.

REQUIRED TEXT(S)

Paul R. Bierman and David R. Montgomery. Key Concepts in Geomorphology – either 2013 (1st edition) or 2020 (2nd edition). E-book can be accessed here:

<https://store.macmillanlearning.com/us/product/Key-Concepts-in-Geomorphology/p/1319059805>

EVALUATION

Grade Breakdown

Lecture Quizzes (via Brightspace) (2)	10 %
Lab Assignments (5)	40 %
Midterm Exam (1)	20 %
Final Exam (1)	30 %

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.

GEOGRAPHY DEPARTMENT INFO

- Geography Department website: uvic.ca/socialsciences/geography/
- Undergraduate Advising: geogadvising@uvic.ca

POLICY ON LATE ASSIGNMENTS

Late work receives a 20% reduction in points for each day late (weekends count as one day). Any extensions must be approved by your course instructor. Please approach your instructor first, with cc to your TAs, if requesting an extension. Requests will be granted for legitimate reasons with appropriate documentation as necessary.

POLICY ON ATTENDANCE

Lecture Quizzes, midterm and final are based on lecture material – attendance is strongly recommended.

Lab marks are almost half of your final grade – attendance is strongly recommended.

WEEKLY CALENDAR (important UVIC drop/add dates can be found [here](#))

- **First Day of Class:** Tuesday, January 11th, 2022 – **Live lectures via ZOOM Jan 11,12, and 18,19**
- **Midterm Examination: February 16** (MC/Short answer/Long answer, 50 mins)
- **Final Examination: Apr 11-29 TBA** (MC/Short answer/Long answer, 2 hours)

Two quizzes will be administered throughout the term on lecture topics covered in the previous weeks. Quizzes will be open for 24 hours, Thursdays 5pm-Fridays 5pm (**via Brightspace**).

WEEK	DATE	Lecture Topic	Chapter Pages for Recommended Readings (1st ed) (2nd ed)
1	Jan 11-12	Introduction (via ZOOM)	5-30; 4-28
2	Jan 18-19	Weathering and Soils (via ZOOM)	77-110; 120-157
3	Jan 25-26	Geomorphic Hydrology (Quiz 1)	111-137; 86-112
4	Feb 1-2	Hillslope Geomorphology	145-177; 165-197
5	Feb 8-9	Fluvial Geomorphology	179-251; 199-269
6	Feb 15-16	Fluvial Geomorphology/ Midterm	5-251; 4-269
7	Feb 22-23	Reading Break – no classes	
8	Mar 1-2	Glacial Geomorphology	291-315; 373-399
9	Mar 8-9	Periglacial Geomorphology	316-324; 399-410
10	Mar 15-16	Coastal Geomorphology (Quiz 2)	253-287; 271-304
11	Mar 22-23	Karst Geomorphology	133-137; 109-112
12	Mar 29-30	Aeolian Geomorphology	329-354; 311-338
13	Apr 5-6	Geomorphology and Landscape evolution	461-494; 491-524

DISCLAIMER

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

LABORATORY COMPONENT

Labs are designed to cover a variety of exercises designed to elaborate on the lecture material. The labs are also used to teach practical skills in geomorphology. The laboratory sessions will be supervised by teaching assistants who will also be responsible for assessment of lab work.

B01	T	DTB B303	2:30-4:20 PM	Hannah Boczulak	hannahboczulak@uvic.ca
B02	W	DTB B303	12:30-2:20 PM	Jordan Prior	Jordan99prior@uvic.ca
B03	Th	DTB B303	2:30-4:20 PM	Hannah Boczulak	hannahboczulak@uvic.ca
B04	F	DTB B303	10:30-12:20 PM	Jordan Prior	Jordan99prior@uvic.ca

WEEK	DATE	Laboratory Schedule	Due dates: Fridays before 5pm
1	Jan 11-14	No Labs	
2	Jan 18-21	No Labs	
3	Jan 25-28	Lab 1: Introduction to Isostasy (6%)	
4	Feb 1-4	Lab 2: Sea-level geomorphology (6%)	Lab 1 due
5	Feb 8-11	Lab 3: Landslides (6%)	Lab 2 due
6	Feb 15-18	No Labs – Midterm Exam	
7	Feb 22-25	Reading Break – no classes	
8	Mar 1-4	Lab 4: Contours and Hillslopes I	Lab 3 due
9	Mar 8-11	Lab 4: Contours and Hillslopes II (10%)	
10	Mar 15-18	Lab 5: Glacial geomorphology I	Lab 4 due
11	Mar 22-25	Lab 5: Glacial Geomorphology II (12%)	
12	Mar 29-Apr 1	No Labs	Lab 5 due
13	Apr 5-7	No Labs	

ACADEMIC INTEGRITY

It is every student's responsibility to be aware of the university's policies on academic integrity, including policies on **cheating, plagiarism, unauthorized use of an editor, multiple submission, and aiding others to cheat.**

Policy on Academic Integrity:

<https://www.uvic.ca/calendar/undergrad/index.php#/policies?group=Undergraduate%20Academic%20Regulations>

If you have any questions or doubts, ask. For more information, see [uvic.ca/learningandteaching/cac/index.php](https://www.uvic.ca/learningandteaching/cac/index.php).

ACCESSIBILITY

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a documented disability or health consideration that may require accommodations, please feel free to approach me and/or the Centre for Accessible Learning (CAL as soon as possible <https://www.uvic.ca/services/cal/>). The RCSD staff is available by appointment to assess specific needs, provide referrals, and arrange appropriate accommodations. 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.

SEXUALIZED VIOLENCE PREVENTION AND RESPONSE AT UVIC

UVIC takes sexualized violence seriously, and has raised the bar for what is considered acceptable behaviour. We encourage students to learn more about how the university defines sexualized violence and its overall approach by visiting uvic.ca/svp. If you or someone you know has been impacted by sexualized violence and needs information, advice, and/or support please contact the sexualized violence resource office in Equity and Human Rights (EQHR). Whether or not you have been directly impacted, if you want to take part in the important prevention work taking place on campus, you can also reach out:

Where: Sexualized violence resource office in EQHR; Sedgewick C119

Phone: 250.721.8021

Email: svpcoordinator@uvic.ca

Web: uvic.ca/svp

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

NOTE: A note to remind you to take care of yourself. Do your best to maintain a healthy lifestyle this semester by eating well, exercising, getting enough sleep and taking some time to relax. This will help you achieve your goals and cope with stress. All of us benefit from support during times of struggle. You are not alone.

Counselling Services - *Counselling Services can help you make the most of your university experience. They offer free professional, confidential, inclusive support to currently registered UVic students.* uvic.ca/services/counselling/

Health Services - *University Health Services (UHS) provides a full service primary health clinic for students, and coordinates healthy student and campus initiatives.* uvic.ca/services/health/

Elders' Voices - *The Office of Indigenous Academic and Community Engagement (IACE) has the privilege of assembling a group of Elders from local communities to guide students, staff, faculty and administration in Indigenous ways of knowing and being.*
uvic.ca/services/indigenous/students/programming/elders/index.php