



COURSE OUTLINE
GEOG 476 ADVANCED STUDIES IN GEOMORPHOLOGY (CRN: 21705)

Lecture Hours: W 2:30-5:20 pm, CLE A118
Office Hours: T 9:00-10:30 am, Th 9:30-11:30 am, or by appointment
Office Location: DTB B302
Contact: gkrezoski@uvic.ca

COURSE DESCRIPTION

This course consists of an advanced, project-based investigation of geomorphological processes for senior students in geomorphology. In this course you will develop a testable hypothesis, collect data, conduct data analysis, and practice the presentation of findings in form of a poster and journal-style report. Your performance will be evaluated based on the different project components (proposal, poster, report, etc.). More details will be provided in class.

PREREQUISITES

GEOG 376; permission of the instructor

LEARNING OUTCOMES

This is a comprehensive upper-level course where you will learn valuable collaborative and investigative professional and graduate-level skills that can be applied to your future endeavours. You will be expected to attend all lectures and participate in all lab exercises.

At the end of this course, you should be able to:

- Conduct a literature review and summarize key aspects of a geomorphological research problem
- Develop a testable hypothesis based on previous work, and write a proposal around the hypothesis
- Plan small field campaigns
- Detect patterns and processes in field data using statistical techniques
- Prepare quality graphics for presentation of results
- Present your results in form of a poster to an audience of your peers
- Prepare a journal-style research report

RECOMMENDED TEXTS

As part of your project preparation you will be asked to conduct a literature review on your research topic. For this you are expected to use resources at the library to browse the peer-reviewed literature.

The below text will prove instrumental in your methodologies and proposal writing:

Shroder, John F et al. (2013) *Treatise on Geomorphology*, Elsevier/Academic Press, Amsterdam.
Downloadable as EBook here: <http://www.sciencedirect.com/science/referenceworks/9780080885223>

You might also find the GEOG 376 textbook, *Process Geomorphology*, helpful in this course as a reference.

EVALUATION

In-class assignments and exercises:	5%
Cruise Day attendance and participation	10%
<u>Geomorphological project (will be done in groups of 2*):</u>	
Periodic project due dates	15%
Literature Review	5%
20-minute Proposal presentation	10%
1-page written Proposal	10%
10-minute Poster Presentation	20%
Project Report	25%

*While assignments will be submitted as partners, marks will be assigned to individuals. Students will have opportunities throughout the term to assess their partner contributions.

GRADING SYSTEM

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+ A A-	9 8 7	90-100% 85-89% 80-84%	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.
B+ B B-	6 5 4	77-79% 73-76% 70-72%	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.
C+ C	3 2	65-69% 60-64%	Satisfactory, or minimally satisfactory. These grades indicate a satisfactory performance and knowledge of the subject matter.
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

COURSESPACES

I will upload material on Coursespaces: <https://coursespaces.uvic.ca>

POLICY ON LATE ASSIGNMENTS

A deduction of 1% of the total mark per weekday (weekends count as 1 day) will be applied to all late assignments. For example, if your assignment is worth 5% of your course mark and you wait 3 days to turn it in, you will lose 3% of your course mark (up to 5%). Accommodations are made only for extenuating circumstances with proper medical or counselling documentation provided.

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: web.uvic.ca/calendar2019-09/undergrad/info/regulations/academic-integrity.html

If you have any questions or doubts, talk to me, your course instructor. For more information, see 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 CAL 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. 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.

WEEKLY CALENDAR

Assignments and Cruise information can be found in the Course Addendum provided by your Instructor.

W	Date	Thursday
1	8 Jan	Part 1: Introduction Part 2: Literature Review Part 3: Writing a research proposal
2	15 Jan	Part 1: Preparing a presentation Part 2: Research Design Examples Part 3: Working in teams – in-class exercise 1%
3	22 Jan	Part 1: Research Design Examples Part 2: Work period for research proposals. - Scheduled 10-minute partner meetings with Instructor – Literature review due (5%)
4	29 Jan	Proposal Presentations – Finalize research plans (10%)
	31 Jan (Fri)	Written Research Proposal due (10%) – by midnight
5	5 Feb	Part 1: Campaign plan (based on proposals) Part 2: Data collection preparation (checking supplies) - in-class exercise 1%
Fri	7 Feb	CRUISE DAY – sample collection: 7:30 am – 5:30pm. See course addendum for more information. (10%)
6	12 Feb	Sample processing – in lab – meet in DTB B303 (in-class exercise 1%)
7	19 Feb	Reading Break
8	26 Feb	Sample processing – in lab – meet in DTB B303 (in-class exercise 1%) - Scheduled 10-minute partner meetings with Instructor
9	4 Mar	Part 1: Scientific Writing and Creating Figures (in-class exercise 1%) Part 2: Data analysis
10	11 Mar*	Part 1: Introduction and Methodologies report sections + first two figures due (5%) Part 2: Sediments and statistics. Part 3: Data analysis
11	18 Mar*	Part 1: Poster rough draft due (5%) Part 2: Results and Conclusions
12	25 Mar*	Part 1: Results and Conclusions + final figures due (5%) Part 1: Results and Conclusions class discussion - Scheduled 10-minute partner meetings with Instructor
13	1 April*	Poster Presentations in DTB B215 (20%) + Final Project Reports due (25%) - Reception to follow with community partners (you are being supported by several agencies!)

Note: Students will be expected to spend out-of-class time in labs and creating figures. There will be several 'open lab' and 'computer lab' times booked throughout the term. You are expected to attend every lecture.

*Figure/Poster Work Periods: GIS Lab A251 Mondays March 9, 16, 23 and 30, 11:30am -2:30pm

DISCLAIMER

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

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/

Centre for Accessible Learning - *The CAL staff are available by appointment to assess specific needs, provide referrals and arrange appropriate accommodations* uvic.ca/services/cal/. *The sooner you let us know your needs the quicker we can assist you in achieving your learning goals in this course.*

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