

## GEOGRAPHY FINAL COURSE OUTLINE: FALL 2023

### GEOGRAPHY 410

Class Number 75815

Section	Days	Time	Location
LEC 01	MWF	11:00am – 11:50am	ST 63
LAB 01	R	2:00pm – 2:50pm	ES 415

Instructor: Dr. Yvonne Martin	
Email: ymartin@ucalgary.ca	Office: ES 330
Office hours will be stipulated in the document titled “Other Course Information” posted on D2L on first day of lectures.	

#### Official Course Description

A systematic study of the physical processes that shape the Earth's surface. Emphasis is on the mechanics of geomorphic processes and their interaction with Earth materials.

#### Course Objectives

The primary objective of this course is to explain essential concepts of process geomorphology. Students will be introduced to processes, mechanics and morphology associated with landforms and landscapes over a range of spatial and temporal scales. Students will be equipped to apply the theoretical knowledge gained in this course to a variety of applied geomorphological concerns and their management.

#### Course Learning Outcomes

The Department of Geography is committed to student knowledge and skill development. The table below lists the key learning outcomes for this course, the program-learning outcomes to which they contribute, and the expected level of achievement.

Course Learning Outcomes	PLO(s)*	Level(s)**
Explain essential advanced concept in geomorphology	2, 4	2, 3
Understand basic hydrological processes affecting geomorphic process operation	2, 4	2
Understand basic mechanics of key geomorphic processes	2, 4	2
Explain the processes and mechanics driving geomorphic systems, including sediment erosion, transport and deposition	2, 4	2, 3
Connecting the processes and mechanics of geomorphic systems to landform and landscape morphology and characteristics	2, 4	2, 3
Students will be expected to understand and solve quantitative problems associated with geomorphic systems by utilizing relevant equations	3, 7	3
Write assignments that report and analyze findings of lab exercises	3, 7	3
Students should be able to apply their knowledge gained in this course to other undergraduate courses and their future workplace setting	2, 5	2

*\*PLOs = Program Learning Outcomes: 1 = reflect and communicate diverse human-environment perspectives, 2 = identify and explain human-environment processes, 3 = implement sampling, data collection, analyses and communication methods, 4 = analyze spatial and temporal aspects of human-environment systems, 5 = employ knowledge, arguments, and methodologies for solving human-environment problems, 6 = evaluate geospatial data and manipulate it to create cartographic products, 7 = communicate geographic concepts using oral, written, graphic, and cartographic modes, and 8 = demonstrate literacy skills.*

*\*\*Levels: 1 = Introductory, 2 = Intermediate, and 3 = Advanced.*

#### Prerequisites:

3 units from Geography 211, 310.

## Learning Resources

Required Textbook: Montgomery and Bierman, 2<sup>nd</sup> edition, *Key Concepts in Geomorphology* (available through the University of Calgary Bookstore)

Note: Additional course readings may include journal articles, web sites etc. (information about how to access other materials will be provided to students as necessary).

## Learning Technologies and Requirements

In order to successfully engage in their learning experiences at the University of Calgary, students taking online, remote and blended courses are required to have reliable access to the following technology.

- A computer with a supported operating system, as well as the latest security and malware updates
- A current and updates web browser
- Webcam (built in or external)
- Microphone and speaker (built in or external) or headset with microphone
- Broadband internet connection

## Grading (Weighting)

Lecture Test 1: 22.5%
Lecture Test 2: 22.5%
Lecture Test 3: 15%
Laboratory Assignments (7 assignments): 25%
Laboratory Test: 15%

- There is no final examination for this course.
- It is **not** essential to pass all components to pass the course as whole.
- Unexcused late Lab Assignments will be penalized 10% per day, or portion thereof (incl. weekends).
- Lecture Test dates will be provided in the document titled “Other Course Information” posted on D2L on first day of lectures.

## Grading System

90 – 100	A+	73 – 76.99	B	60 – 62.99	C-
85 – 89.99	A	70 – 72.99	B-	55 – 59.99	D+
80 – 84.99	A-	67 – 69.99	C+	50 – 54.99	D
77 – 79.99	B+	63 – 66.99	C	0 – 49.99	F

A+	4.00	Outstanding performance
A	4.00	Excellent performance
A-	3.70	Approaching excellent performance
B+	3.30	Exceeding good performance
B	3.00	Good performance
B-	2.70	Approaching good performance
C+	2.30	Exceeding satisfactory performance
C	2.00	Satisfactory performance
C-	1.70	Approaching satisfactory performance.
D+	1.30	Marginal pass. Insufficient preparation for subsequent courses in the same subject
D	1.00	Minimal Pass. Insufficient preparation for subsequent courses in the same subject.
F	0.00	Failure. Did not meet course requirements.

- If you miss one of the Lecture Tests or the Lab Test and possess a legitimate excuse, you must email the Course Instructor as soon as possible. At the discretion of the Course Instructor and/or Department, accommodation such as a deferred test may be offered for a missed test.
- Please review the following web page that explains supporting documentation for a missed test. <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>
- If you miss the deadline for a lab assignment and possess a legitimate excuse, you must email the TA. At the discretion of the TA, Course Instructor and/or Department, accommodation such as an extension may be provided for lab assignments.

### **Supplementary Fees**

Not applicable

*For additional detailed course information posted by the instructor, visit the course Desire2Learn page online at <https://d2l.ucalgary.ca/d2l/home>.*

## **SUPPLEMENTAL INFORMATION**

### **Principles of Conduct**

The University Calendar includes a statement on the principles of conduct expected of all members of the university community (including students, faculty, administrators, any category of staff, practicum supervisors, and volunteers), whether on or off university property. This statement applies in all situations where members of the university community are acting in their university capacities. All members of the university community have a responsibility to familiarize themselves with the principles of conduct statement, which is available at: [www.ucalgary.ca/pubs/calendar/current/k.html](http://www.ucalgary.ca/pubs/calendar/current/k.html).

### **Plagiarism, Cheating, and Student Misconduct**

The University of Calgary is committed to the highest standards of academic integrity and honesty. Students are expected to be familiar with these standards regarding academic honesty and to uphold the policies of the University in this respect.

Academic dishonesty is not an acceptable activity at the University of Calgary, and students are **strongly advised** to read the Student Misconduct section in the University Calendar at: [www.ucalgary.ca/pubs/calendar/current/k-3.html](http://www.ucalgary.ca/pubs/calendar/current/k-3.html). Often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are (1) presenting another student's work as your own, (2) presenting an author's work or ideas as your own without adequate citation, and (3) using work completed for another course. Such activities will not be tolerated in this course, and students suspected of academic misconduct will be dealt with according to the procedures outlined in the calendar at: <https://www.ucalgary.ca/legal-services/university-policies-procedures/student-academic-misconduct-procedure>

### **Instructor Intellectual Property**

Information on Instructor Intellectual Property can be found at <https://ucalgary.ca/legal-services/university-policies-procedures/intellectual-property-policy>

### **Freedom of Information and Protection of Privacy**

Freedom of Information and Protection of Privacy (FOIP) legislation in Alberta disallows the practice of having students retrieve assignments from a public place, such as outside an instructor's office, the department office, etc. Term assignments will be returned to students individually, during class or during the instructor's office hours; if students are unable to pick up their assignments from the instructor, they must provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment.

**Human subjects**

Not applicable

**Internet and electronic communication device information**

There are not restrictions on the use of laptops and tablets in class if they are used to take notes or find information relevant to the class, and if there is no disturbance or distraction of other students or the instructor. Phones must be turned off during class, unless you have previously identified yourself to the instructor as a health care or law enforcement professional.

**Posting of Grades and Picking-up of Assignments**

Graded assignments will be returned by the instructor or teaching assistant personally during scheduled lecture or laboratory periods, unless they are made available electronically through the course D2L webpage. Grades and assignments will not be available at the Department of Geography's main office.

**Academic Accommodations**

It is the student's responsibility to request academic accommodations, according to the university policies and procedures listed in the University Calendar.

The student accommodation policy can be found at: <https://ucalgary.ca/legal-services/university-policies-procedures/student-accommodation-policy>

Students needing an accommodation because of a disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities:

<https://ucalgary.ca/legal-services/university-policies-procedures/accommodation-students-disabilities-procedure>

Students needing an accommodation based on a protected ground other than disability should communicate this need, preferably in writing to their instructor or the Department Head.

**Documentation for Absences or Missed Course Assessments**

- If you miss one of the Lecture Tests or the Lab Test and possess a legitimate excuse, you must email the Course Instructor as soon as possible. At the discretion of the Course Instructor and/or Department, accommodation such as a deferred test may be offered for a missed test.
- Please review the following web page that explains supporting documentation for a missed test. <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>
- If you miss the deadline for a lab assignment and possess a legitimate excuse, you must email the TA. At the discretion of the TA, Course Instructor and/or Department, accommodation such as an extension may be provided for lab assignments.

**Copyright Legislation**

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright <https://ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy> and requirements of the copyright act at (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorised sharing of course materials (including instructor notes, electronic versions of textbooks etc.). Students who use material protected by copyright in violation of this policy may be disciplined under the Non-Academic Misconduct Act.

### **Wellness and Mental Health Resources**

The University of Calgary recognizes the pivotal role that student mental health plays in physical health, social connectedness, and academic success and aspires to create a caring and supportive campus community where individuals can freely talk about mental health and receive supports when needed. We encourage you to explore the mental health resources available throughout the university community, such as counselling, self-help resources, peer support, or skills-building available through the SU Wellness Centre (Room 370, MacEwan Student Centre, <https://www.ucalgary.ca/wellnesscentre/services/mental-health-services>) and the Campus Mental Health Strategy website (<https://www.ucalgary.ca/mentalhealth/>).

### **Contact Information for Student and Faculty Representation**

- Student Union VP Academic 403-220-3911, [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)
- Students Union Representatives for the Faculty of Arts – 403-220-3913, [arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca), [arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca), [arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca), [arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)
- Student Ombuds Office information can be found at: [www.ucalgary.ca/ombuds/](http://www.ucalgary.ca/ombuds/)

### **Campus Safewalk**

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus, including the LRT station, parking lots, bus zones, and university residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your campus destination.