

GEOG 310 LEC 01 Landforms and Soils
Winter 2023 classes: Jan 9th – Apr 12th, 2023
GFC HOURS (3-2)

Section	Days	Time	Location
LEC 01	TR	9:30-10:45AM	AD 142
Lab 01	M	11:00-12:50PM	ES 307
Lab 02	W	8:00-9:50AM	ES 307
Lab 03	R	2:00-3:50PM	ES 307
Lab 04	F	2:00-3:50PM	ES 307

Instructor: Dr. Tariq Munir	Office: TBD
Email: tmmunir@ucalgary.ca Email communication will be through your UCalgary email address only.	Office hours (Tue): 11:00-11:30

The **Department of Geography** condemns the longstanding and continued injustices against those marginalized by racism, sexism, homophobia, transphobia, classism, xenophobia, able-bodied normativity, mental health profiling, and other forms of prejudice. We are pained by the fact that injustices are unevenly borne. <https://arts.ucalgary.ca/news/anti-racism-statement>

Territorial Acknowledgement

The Department of Geography would also like to acknowledge the traditional territories of the people of the Treaty 7 region in southern Alberta. The City of Calgary is also home to Métis Nation of Alberta, Region III. <https://www.ucalgary.ca/indigenous/cultural-protocol>

Official Course Description

Introduction to physical landscapes and soils, emphasizing the formation and geographic distribution of mountains, volcanoes, valleys, and deserts, and their shaping by rivers and glaciers; and the fundamental concepts in soil science. Incorporates human modification of the Earth's surface.

Course Objectives

The primary objective of this course is to introduce and explain essential concepts of Earth surface and near-surface processes related to landforms and soils and their interactions with each other and the human environment.

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)**
Clarify essential concepts in geomorphology, geology, soil science and hydrology	2,7	1
Connect foundational knowledge of landforms and soils to human aspects (land use, climate change etc.)	1,2,4	1
Communicate concepts in landforms and soils in scientific writing skills	1,5	1
Critically evaluate ideas/concepts in landforms and soils by integrating multiple information sources (e.g., lectures, textbooks)	1,5,8	1
Critically review selected hydrological and biogeochemical processes related to wetland soils and ecohydrological landscapes	3,5	1,2

*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

There are no prerequisites for this course.

Note: Students taking this course should be comfortable using basic computer packages (e.g., MSOffice Word and Excel).

Course Format

- The course schedule will be provided on D2L website in the first week of lectures.
- The lecture and lab sections of this course consist of in-person sessions. Students are expected to attend the lecture and lab sessions to receive instructions provided by the instructor and the TA.
- Lecture test dates and other test information are provided in other sections of the course outline
- Students will begin work on the lab with the TA available in the room for assistance. Subsequently, the students will complete the remainder of each lab in their own time. The Course Schedule provides the weeks that labs are presented. Lab tests will be written in person in your lab section (as per the course schedule). Students must attend the lab session at the start day/time in which registered.

Learning Resources

Required textbook: Alan F. Arbogast. *Discovering Physical Geography*, 4th edition. Wiley Global Education US. 2017.

Print Copy or digital version can be ordered from the bookstore: https://www.calgarybookstore.ca/buy_textbooks.asp

Further Readings and lecture slides (or handouts) will be posted on D2L.

Notes: 1) The edition available at the University of Calgary Bookstore is the required edition – no other edition should be used, and 2) Additional course readings may include (but are not limited to) journal articles, websites, etc. (information about how to access these materials will be provided to students as necessary).

Assessment Methods:

ASSESSMENT	WEIGHT (%)	DATE
Lecture Test 1 Online-D2L (A, B – Introduction, Geological Background)	10	Jan 24 th (Tue)
Lecture Test 2 Online-D2L (C – Geomorphic Processes, Landscapes)	10	Feb 9 th (Thu)
Lecture Test 3 Online-D2L (D – Hydrology)	10	Mar 2 nd (Thu)
Lecture Test 4 Online-D2L (E – Rocks, Weathering, Soil Science)	10	Mar 30 th (Thu)
Group Presentations In-person (A, B, C, D, E – cumulative)	10	Apr 6 th (Thu)
Reflection Paper – Assignment (Online-D2L)	5	Available Apr 12 th , and Due Apr 18 th
Lab Tests (2)	2 x 17.5 = 35	See Course Schedule (Lab Tests held during in-person lab sessions)
Lab Reading Exercises	10	See Course Schedule

- There is no registrar scheduled final examination for this course
- It is not essential to pass all components to pass the course as a whole

Lecture Tests (Quizzes) and Assignment/Reflection Paper:

- Lecture tests will be administered online with D2L under “quizzes” in the assessments dropdown menu. Lecture tests will be available for students starting at 12 am and must be submitted by 11:59 pm on the date of the test. Once the student begins the test/quiz, they will have 60 minutes to complete each of the four lecture tests/quizzes. Make sure you have reliable internet access on the day of the quiz.
- Assignment is administered through D2L (online).
- Collaborating and/or discussing the tests with others (including students in the course and anyone else) during the

entire period that the test is available), is forbidden by the University of Calgary Academic Misconduct Policy and will be referred to the Faculty of Arts Dean's Office for disciplinary action: <https://www.ucalgary.ca/legal-services/sites/default/files/teams/1/Policies-Student-Academic-Misconduct-Policy.pdf>

- Additional Lecture Test rules and policies will be provided in advance of tests on D2L and must be followed.
- The computer requirements listed in Learning Technologies and Requirements will apply to the writing of online tests. Students will require access to the D2L site for this course for Lecture Test writing.
- Students should contact the Course Instructor via email if issues arise during a timed online Lecture Test – The Course Instructor will be available to answer any questions during the class lecture hour and the office hour on the day of the test.
- Attendance cannot be graded.
- Only pens, pencils and erasers are allowed in Lab Tests – No other materials or devices are allowed (unless otherwise advised).

Grading System

100-95%	A ⁺	79.9-75%	B	62.9-59%	C ⁻
94.9-90%	A	74.9-71%	B ⁻	58.9-55%	D ⁺
89.9-85%	A ⁻	70.9-67%	C ⁺	54.9-50%	D
84.9-80%	B ⁺	66.9-63%	C	≤ 49.9	F

Flexible Grade Option (CG Grade) <https://www.ucalgary.ca/pubs/calendar/current/f-1-3.html>

Additional Course Information

- Students will be required to complete lab assignments and lab writing exercises. The lab component of the course will cover many topics using a variety of methods and techniques. The lab component of the course will include written components including exercises, assignments and/or exams (the scientific content of written answers and the quality of writing will be considered when marking written answers).
- It is a student's responsibility to follow the course schedule and the readings that have been detailed in the course schedule or in the outline. This schedule might change through the term so make sure you follow these changes that may be outlined in class. The materials in the readings, videos and lectures are all testable material regardless of if the material in the readings or videos was not covered in the lecture or the lecture covered different material that is not in the readings or videos.

Missed or Late Course Component

- Late assignments will be assessed a 10% penalty per day (including weekends or a portion thereof), with a valid medical/emergency. Note that the penalty begins immediately after an official due date is missed.
- If you miss one of the course assessments (Lecture Test, Lab Test, marked lab exercises, etc.) and possess a legitimate excuse, email Dr. Munir (for Lecture Tests) before the Lecture Test becomes online, or the TA Caroline O'Connor (for Lab Tests and lab exercises) as soon as possible. At the discretion of the Course Instructor and Department, accommodation such as an alternative assessment may be offered for a missed Lecture Test or Lab Test.
- There will be no makeup, deferred or early exams under any circumstances. If a student misses an assessment due to illness, supporting documentation, such as a medical note or a statutory declaration may be requested <https://www.ucalgary.ca/pubs/calendar/current/m-1.html>
- Please refer to <https://www.ucalgary.ca/registrar/registration/appeals/student-faq> for frequently asked questions concerning the provision of a medical note/statutory declaration.

Exams & Deferrals

<https://www.ucalgary.ca/registrar/exams>

Supplementary Fees

Not applicable

Referencing Standard

In written work presented in this class, the accepted method for referencing the work of others will be the Vancouver Style: <https://guides.lib.monash.edu/citing-referencing/vancouver>

Important Dates

The last day to drop this course and receive a tuition fee refund is **Thursday, January 19th, 2023**. The last day to add or swap a course for Winter 2023 is **Friday, January 20th, 2023**. The last day to withdraw from this course is **Wednesday, April 12th, 2023**. Please note that the University is closed on **Monday, February 20th** for Family Day. Term break is **February 19th – 25th**. The University is closed **Friday, April 7th** and **Monday, April 10th** for Easter.

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

Resources and Writing support

Please note writing support resources provided by the Student Success Centre <https://ucalgary.ca/ssc/resources/writing-support> and the library <https://libguides.ucalgary.ca/guides/>

University of Calgary Academic Integrity Policy

Academic integrity is the foundation of the development and acquisition of knowledge and is based on values of honesty, trust, responsibility, and respect. We expect members of our community to act with integrity. 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.

[University of Calgary : K. Integrity and Conduct \(ucalgary.ca\)](#)

Plagiarism, Cheating, and Student Misconduct

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. 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>

For information on what constitutes plagiarism and how to properly cite the work of others, the Department of Geography recommends that they attend Academic Integrity workshops offered through the Student Success Centre: <https://www.ucalgary.ca/student-services/student-success/learning/academic-integrity>

Instructor Intellectual Property

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

Freedom of Information and Protection of Privacy – The Reflection Journal Assignment will be administered using D2L only.

Other Assignments:

Freedom of Information and Protection of Privacy (FOIP) legislation in Alberta regulates the return of term assessments. 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. Grades and assignments will not be available at the Department of Geography's main office and assignments cannot be dropped off at the Department Office.

Posting of Grades and Picking-up of Assignments

Graded assignments will be returned by the instructor or teaching assistant personally during the scheduled lecture or laboratory periods unless they are made available electronically through the course D2L webpage.

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://www.ucalgary.ca/pubs/calendar/current/b-6-1.html>

Within the first week of classes, students needing an accommodation because of a disability or medical condition should register with Student Accessibility Services [Accessibility | Home | University of Calgary \(ucalgary.ca\)](#) 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 (email: freeman@ucalgary.ca).

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 updated web browser
- Broadband internet connection
- Optional technology: webcam (built-in or external) / microphone and speaker (built-in or external) or headset with microphone
- MS Office, Adobe Acrobat, Google Earth

Use of internet and electronic devices in class

Students must refrain from using cell phones in lecture and lab sessions. Lecture or Lab sessions may be held in a room equipped with computers for students to use for assessments and exercises.

Guidelines for Video Sessions

Video sessions may be used in the event of instructor absence, for work within peer groups, or for other communication related to course obligations. To help ensure video sessions are private, do not share links or passwords with others via any medium, including social media platforms. Links and passwords are only intended for students registered in the course. Recordings and materials presented, including any teaching materials, must not be shared, distributed or published without the instructor's permission.

The use of video conferencing programs relies on participants to act ethically, honestly and with integrity; and in accordance with the principles of fairness, good faith and respect (as per the [Code of Conduct](#)). When entering video conferencing sessions, you play a role in helping create an effective, safe and respectful learning environment.

Please be mindful of how your behavior in these sessions may affect others. Participants are required to use names officially associated with their UCID (legal or preferred names listed in the Student Centre) when engaging in these activities. Instructors/moderators can remove those whose names do not appear on class rosters. Non-compliance may be investigated under the relevant University of Calgary conduct policies (e.g. Student Non-Academic Misconduct Policy). If participants have difficulties complying with this requirement, they should email the instructor of the class explaining why, so the instructor may consider whether to grant an exception and on what terms. For more information on how to get the most out of your sessions visit: [eLearn @ UCalgary](#)

If you are unable to attend a session, please contact your instructor to arrange an alternative activity for the missed session (e.g., to review a recorded session). Please be prepared, as best as you are able, to join the class in a quiet space that will allow you to be fully present and engaged in sessions. Students will be advised by their instructor when they are expected to turn on their webcam (for group work, presentations, etc.).

The instructor may record online class sessions for the purposes of supporting student learning in this class – such as making the recording available for review of the session or for students who miss a session. Students will be advised before the instructor initiates a recording of a class session. These recordings will be used to support student learning only and will not be shared or used for any other purpose.

Media Recording (if applicable)

https://elearn.ucalgary.ca/wp-content/uploads/2020/05/Media-Recording-in-Learning-Environments-OSP_FINAL.pdf

Course evaluations and student feedback

Student feedback will be sought at the end of the course through the standard University Student Ratings of Instruction (USRI) and Faculty course evaluation forms.

Accessibility

Students with specific needs relating to accessibility should contact the Course Instructor.

<https://elearn.ucalgary.ca/category/yuja/getting-started-yuja/>

Copyright Legislation

All students are required to read the University of Calgary policy on Acceptable Use of Material Protected by Copyright <https://www.ucalgary.ca/legal-services/university-policies-procedures/acceptable-use-material-protected-copyright-policy> and requirements of the copyright act (<https://laws-lois.justice.gc.ca/eng/acts/C-42/index.html>) to ensure they are aware of the consequences of unauthorized 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

Mental health plays a pivotal role 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 support 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 (<http://www.ucalgary.ca/mentalhealth/>).

Students requiring assistance are encouraged to email the **Student at Risk line** if they or others appear to need wellness assistance: sar@ucalgary.ca For more immediate response, please call 403-210-9355 and select option #2.

Sexual Violence Policy

All members of the University Community should be able to learn, work, teach and live in an environment where they are free from harassment, discrimination, and violence. Please see the policy available at <https://www.ucalgary.ca/legal-services/university-policies-procedures/sexual-and-gender-based-violence-policy>

Contact Information for Student and Faculty Representation

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

Emergency Evacuation/Assembly Points

Assembly points for emergencies have been identified across campus. Assembly points are designed to establish a location for information updates from the emergency responders to the evacuees; from the evacuated population to the emergency responders. For more information, see the University of Calgary's Emergency Management website: <https://www.ucalgary.ca/risk/emergency-management> The muster point for lectures is the Social Sciences Food Court. The muster point for labs is the ICT Food court.

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.