UNIVERSITY OF CALGARY

GEOGRAPHY 582: Technology, Society, and Space
GFC HOURS (3S-0)
COURSE OUTLINE: FALL 2021

Section	Location	Meeting Day	Time
LEC 01	Web Based **Lectures** via Zoom: *link posted on D2L	Monday, Wednesday, Friday	11:00AM – 11:50AM

Instructor: Dr. Victoria Fast	**Office hours:** as needed. **Location:** Zoom. *Same zoom link as lecture.
Email: Victoria.fast@ucalgary.ca Email communication must be through your UCalgary email address. Please include **GEOG 582** in subject.	

*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 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

I am committed to creating a teaching and learning environment and community that decolonizes the curriculum, and does better at building systems of justice, inclusion, and empowerment.

Official Course Description
Explores the relationship between spatial technologies and social/political systems. Examines the ways geographers have made sense of the social construction and societal implications of technologies across time and place.

Course Objectives
The goal of this course is to interrogate the wide array of digital mapping and geospatial tools and technologies used in geography and other fields, which increasingly underpin contemporary digital society. We will examine the use of (spatial) technologies in everyday life with emphasis on their implications for social, economic, and environmental change, and ethical considerations related to privacy, surveillance and data ownership. Key application areas – such as disaster management, autonomous vehicles, and geoAI – will be explored to both to help our thinking about how the tools of digital mapping represent the world, and also to bring into question those representations.

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)
Enhance critical thinking skills related to data, technology, and its impact on our society.	1,2,	3
Deconstruct the ways representations and data come to shape the ways we think of places and the people in them.	1,2,3	2, 3
Apply creative GIScience approaches to address sustainable development goals.	3, 4, 5, 6, 7	3
Practice and refine presentation, public speaking, and group facilitation skills.	1, 2, 7,8	3
Develop impactful reports and non-traditional scientific communication.	7, 8	3

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 357, 482.

Course Format
Lectures (MWF 11 - 11:50 AM) will occur **synchronously** via Zoom.
- Students will conduct an average of 5 hours of research and course work outside of lecture time.
- Participation in lecture is an important component of this course. Students are expected to attend lectures as scheduled via Zoom. It is recommended that students keep their camera on to facilitate meaningful discussion, group and team building. For more information on Zoom, see note below.

Learning Resources
All required readings will be posted or linked on the course D2L. Please check course website regularly for updates.

Assessment Methods

Course Component	Weight
Weekly engagement assignments	50% (11 @ 5% each, drop lowest grade)
Research project	25% - Proposal (5%) - Final report (15%) - Presentation (5%)
Applied project: App Challenge	20%
Technology and Society in the News	5%

Notes: See course schedule for details and due dates.
It is not necessary to pass each course component in order to pass the course.
There is no final examination for this course.
Late assignments will be assessed a 20% penalty per day.

Grading System

A+	4.00	>96	Outstanding performance
A	4.00	90-95	Excellent performance
A-	3.70	86-89	Approaching excellent performance
B+	3.30	81-85	Exceeding good performance
B	3.00	76-80	Good performance
B-	2.70	71-75	Approaching good performance
C+	2.30	67-70	Exceeding satisfactory performance
C	2.00	63-66	Satisfactory performance
C-	1.70	60-62	Approaching satisfactory performance
D+	1.30	55-59	Marginal pass. Insufficient preparation for subsequent courses
D	1.00	50-54	Minimal Pass. Insufficient preparation for subsequent courses
F	0.00	<50	Failure. Did not meet course requirements

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

Additional Course Information

In the event that a student misses course work due to illness or extenuating circumstances, I am willing to make reasonable accommodations and grant extensions provided the student arranges accommodations with the instructor *ahead of the due date*. The same for deferred assignments.

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.

Policy regarding rounding of final grades
In an effort to be fair to <u>all</u> students in the class, your individual grade will not be rounded up, regardless of how close you are to a grade break. In short, the final grade breaks are hard breaks. This policy minimizes ambiguity and ensures the grading is as fair and clear as possible.

Supplementary Fees
No supplementary fee has been assessed for this course.

Referencing Standard
When written work presented in this class, all outside sources need to be cited. The accepted method for referencing the work of others is APA.

Important Dates
The last day to drop this course and receive a tuition fee refund is **Thursday, September 16th, 2021**. The last day to withdraw from this course is **Thursday, December 9th, 2021**.

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

SUPPLEMENTAL INFORMATION

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. 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.

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. 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 students wishing to know more about 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
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.

Posting of Grades and Picking-up of Assignments
All assignments will be handed electronically through D2L – both individual and group assignments.
Grades will be available to each student on D2L by password access. Grades and assignments will not be available at the Department of Geography's main office.
You are responsible for submitting assignments to the correct Dropbox. Submissions to the wrong Dropbox folder will be treated as not submitted.

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
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://www.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 (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. Please let me know if you have any concerns about your access to any of this technology or if your circumstances make it difficult for you to meet these requirements.

- 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
- A university managed ArcGIS Online account
- Students maybe required to access SharePoint, Google JamBoards, TopHat, or other technology platforms as part of this course.

Guidelines for Zoom Sessions
Zoom is a video conferencing program that will allow us to meet at specific times for a "live" video conference, so that we can have the opportunity to meet each other virtually and discuss relevant course topics as a learning community.

To help ensure Zoom sessions are private, do not share Zoom link or password with others, or on any social media platforms. Zoom links and passwords are only intended for students registered in the course. Zoom recordings and materials presented in Zoom, 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 Zoom or other video conferencing sessions (such as MS Teams), 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 us 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 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 Zoom sessions visit: https://elearn.ucalgary.ca/guidelines-for-zoom/.

Please be prepared, as best as you are able, to join class in a quiet space that will allow you to be fully present and engaged in Zoom sessions. It is recommended that students keep their camera on during lecture, labs, and presentations. To mimic a traditional classroom environment, zoom sessions will not be recorded. Students are expected to attend each scheduled lecture and actively participate. This will facilitate meaningful discussion, group and team building, and shared learning—essential to a 500-level course.

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. In addition, I welcome student feedback throughout the semester.

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 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 disciplines 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 (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
The University recognizes that 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/policies/files/policies/sexual-violence-policy.pdf

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/

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.