COURSE OUTLINE
OUR DIGITAL EARTH

Office Hours:	Monday 1:00-2:00 pm and by appointment
Office:	DTB B130
Contact:	**nboulangerlapointe@uvic.ca**
Teaching Assistant:	Bita Ebrahimi
Drop-in Sessions:	Wednesday 10:00-12:00, on Zoom
Contact:	**bitae@uvic.ca**
Class Meetings:	Monday and Thursday 10:00 to 11:20
Classroom:	MacLaurin Building D115

We acknowledge and respect the ləK̓ʷəŋən peoples on whose traditional territory the university stands and the Songhees, Esquimalt and W̱SÁNEĆ peoples whose historical relationships with the land continue to this day.

COURSE DESCRIPTION

This course introduces students to how the world of geospatial data and technologies influences our daily lives and shapes society and the world around us. Students learn how to collect and utilize location-based data, how to develop web maps and mobile mapping apps, how to create technologies to respond to environmental disasters and humanitarian crises, and how to think spatially in order to improve our understanding of our planet. Lectures involve a lively mix of presentations and group interaction, as well as several opportunities to crowdsource data collection in order to solve geospatial problems. Lectures also provide students with training in how to use various mapping technologies in order to collect, map, analyze, and communicate data in power ways.

REQUIRED TEXTS AND SOFTWARE

The required text for this course is *Our Digital Earth*, which is free! Links to all readings will be provided. You will need to purchase Kritik Peer Assessment Tool ($24).

LEARNING OUTCOMES

- Define appropriate modes of spatial thinking needed for addressing geographical questions.
- Collect and analyze geographic data to characterize spatial patterns of observations and spatial relationships between variables.
- Develop mobile app to facilitate the collection of geospatial data.
- Create web mapping applications to display spatial patterns and communicate information.
- Utilize technology theory to develop a geospatial tool to help with responding to an environmental disaster or humanitarian crisis.
- Understand issues of accessibility, privacy, and security with regards to geospatial data and technologies.

EVALUATION

Assignment 1: Geospatial data collection (5%)
Assignment 2: Web map application (10%)
Assignment 3: Identification of food deserts (5%)
Assignment 4: Reporting on food deserts (10%)
Assignment 5: Asking geospatial questions (10%)
Assignment 6: Reporting on geospatial issues (20%)
Final project: Crisis response (20%)
Final exam (20%)

NOTE: Students will not be given an opportunity to submit any additional work for extra grades.

LECTURES AND ASSIGNMENTS SCHEDULE

Week	Dates	Theme	Due dates
1	Jan. 9 – Jan. 13	Spatial literacy	
2	Jan. 16 – Jan. 20	Geospatial data	Assign. 1 (part A) due on Jan 20
3	Jan. 23 – Jan. 27	GPS	Assign. 1 (part B) in-class Jan 23. Assign. 2 due on Jan 27.
4	Jan. 30 – Feb. 3	Spatial patterns	Assign. 3 (part A) due on Feb 3
5	Feb. 6– Feb. 10	Scale	Assign. 3 (part B) in-class Feb 6
6	Feb. 13– Feb. 17	Remote sensing	Assign. 4 due on Feb 17
7	Feb. 20– Feb. 24	READING BREAK	
8	Feb. 27– March 3	Story mapping	Assign. 5 (part A) due on March 3
9	March 6– March 10	Spatial analytics	Assign. 5 (part B) in-class March 6
10	March 13– March 17	Geospatial crisis response	Assign. 6 due on March 13
11	March 20– March 24	Crisis management applications	
12	March 27– March 31	Geoprivacy	Final Project (Part A) due on March 31
13	Apr. 3 – Apr. 7	Course wrap-up	Final Project (Part B) in-class on Apr. 3

*Lecture schedule may be adjusted as needed

GEOGRAPHY DEPARTMENT INFORMATION

Geography Department website: http://geog.uvic.ca
Undergraduate Advising: geogadvising@uvic.ca
Department Chair: Dr. David Atkinson geogchair@uvic.ca

BRIGHTSPACE

Brightspace learning management systems (LMS) will serve as the main avenue of communication (https://www.uvic.ca/systems/services/learningteaching/brightspace/index.php). Please monitor the page on a regular basis for course announcements. If you are having difficulty logging in or password problems, contact the Computer Help Desk Email: helpdesk@uvic.ca, Tel: 250-721-7687.

IMPORTANT COURSE POLICIES

Attendance is expected for lectures and lab assignment time. Recordings of lecture material will not be provided unless the University reinstates online learning.

High level of student cooperation and participation, involving asking and answering questions is expected. Students are also expected to punctual for course meetings. Cell phones must be turned off or silenced during lectures and labs and ONLY be used during field activities if pertinent to do so.

Assignments will be accepted one day (24 hours) past the due date accompanied with a 10% late penalty. Assignments will not be accepted after this time, but students will still be able to obtain a grade if they participate in the peer assessment portion of the assignment.

As an Instructor, I can refuse a student admission to a lecture, laboratory, learning activity or exam because of lateness, misconduct, inattention, or failure to meet the responsibilities of the course. Students who neglect their academic work may be assigned a final grade of 'N' (which equals a Grade Point Value of 0) or debarred from final examinations. Please refer to the UVic academic calendar in the section on student academic conduct for further information.

Conflicts with work, holidays or travel plans are not considered an acceptable reason to apply for a deferred assignment or project extension.

GRADING SYSTEM

As per the academic calendar:

Grade	Grade Point Value	Percentage	Description
A+	9	90 - 100	An A+, A, or A- is earned by work, which is technically superior, shows mastery of the subject matter, and in the case of an A+ offers original insight and/or goes beyond course expectations. Normally achieved by a minority of students.
A	8	85 - 89	
A-	7	80 - 84	
B+	6	77 - 79	A B+, B, or B- is earned by work that indicates a good comprehension of the course material, a good command of the skills needed to work with the course material, and the student's full engagement with the course requirements and activities. A B+ represents a more complex understanding and/or application of the course material.
B	5	73 - 76	
B-	4	70 - 72	
C+	3	65 - 69	A C+ or C is earned by work that indicates an adequate comprehension of the course material and the skills needed to work with the course material and that indicates the student has met the basic requirements for completing assigned work and/or participating in class activities.
C	2	60 - 64	
D	1	50 - 59	A D is earned by work that indicates minimal command of the course materials and/or minimal participation in class activities that is worthy of course credit toward the degree.
F	0	0 - 49	F is earned by work, which after the completion of course requirements, is inadequate and unworthy of course credit towards the degree.
N	0	0 - 49	Did not write examination or complete course requirements by the end of term or session; no supplemental.

PLAGIARISM

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/calendar/undergrad/info/regulations/academic-integrity.html

Academic dishonesty (plagiarism, cheating) is a very serious matter in any academic institution and is dealt with severely at the University of Victoria. Instructors and academic units have the

responsibility to ensure that standards of academic honesty are met. By doing so, the institution recognizes students for their hard work and assures them that other students do not have an unfair advantage through cheating on essays, exams, and projects. Plagiarism sometimes occurs due to a misunderstanding regarding the rules of academic integrity, but it is the responsibility of the student to know them. If you are unsure about the standards for citations, for referencing your sources, or unauthorized use of an editor, please familiarize yourself with the University policy on academic integrity found in the Undergraduate Calendar at the following website - https://www.uvic.ca/students/academics/academicintegrity/index.php#ipn-policies-consequences.

Please contact me if you have any questions.

Infractions will be dealt with in accordance with University policy. Commonly, the penalty for any form of cheating/plagiarism is a grade of F on the tests or laboratory assignments, or a final grade of F in the course. However, depending on the severity of the case other penalties may include a record on the student's transcript or expulsion.

ACCESSIBILITY

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

POSITIVITY AND SAFETY

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environments for all its members. To ensure that all class members feel welcomed and equally able to contribute to class discussions, we will all endeavor to be respectful in our language, our examples, and the way we conduct our discussions and group work. If you have any concerns or suggestions to improve inclusivity and safety in the classroom, please contact me.

COURSE EXPERIENCE SURVEY (CES)

We value your feedback on this course. Towards the end of the course, 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.

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

DISCLAIMER

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