



**COURSE OUTLINE
OUR DIGITAL EARTH**

Office Hours: Mondays 1:00pm – 2:00pm and by appointment

Office Location: DTB A237

Contact: chrisbone@uvic.ca

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. By the end of this course, students will be empowered to create and share their maps and stories about what they have learned about our digital Earth!

KEY THEMES: location-based data, geospatial technologies, web mapping, spatial thinking and problem solving

REQUIRED TEXTS

Our Digital Earth. Provided by Macmillan Learning. Its Free!

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

Assignments (4)	= 55%*
Weekly Reading and In-class Questions	= 10%
Midterm Exam	= 10%
Final Exam	= 25%

**Assignments are not equally weighted*

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

Please visit your CourseSpaces site to access the website for Geog 100: Our Digital Earth

POLICY ON LATE ASSIGNMENTS

Late assignments will be penalized 10% per day. Assignments will not be accepted after 5 days past the due date.

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.

DISCLAIMER

The 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

WEEKLY CALENDAR

WEEK	DATE	
1	Sept. 5	Welcome to Our Digital Earth
2	Sept. 9 & 12	Spatial Literacy
3	Sept. 16 & 19	Spatial Patterns and Scales
4	Sept. 23 & 26	Geospatial Data
5	Sept. 30 & Oct. 3	Geospatial Technologies
6	Oct. 1 & 10	Learning how to Make Apps
7	Oct. 17	Making Maps & Midterm
8	Oct. 21 & 24	Spatial Analytics
9	Oct. 28 & 30	Citizen Science
10	Nov. 4 & 7	Digital Humanitarianism
11	Nov. 14	Building Tools for Humanitarian Response
12	Nov. 18 - 21	Privacy and Security on the Geoweb
13	Nov. 25 - 28	The Future of Our Digital Earth
14	Dec. 2	Course Wrap-up

Assignment Schedule

Assignment 1: Exploring Canada's Food Deserts (10%)

Due Friday, September 20th at 11:59pm

Assignment 2: Making Mobile Apps (15%)

Due Friday, October 11th at 11:59pm

Assignment 3: Story Maps (15%)

Due Friday, November 1st at 11:59pm

Assignment 4: Developing Tools for Earthquake Response (15%)

Due Friday, November 29th at 11:59pm