



COURSE OUTLINE

Introduction to Maps and GIS

Office Hours: Tuesdays and Wednesdays 15:00 pm to 16:00 pm, zoom meeting links will be shared on the Coursespaces announcements.

Contact: rezania@uvic.ca

Class Meetings: Related links will be posted on the Coursespaces announcements.

Labs: You must be registered in a Lab Section.
The labs links will be posted on the Coursespaces.

COURSE DESCRIPTION:

The objectives of this course will be to introduce you to the idea of basic background material for understanding geographic information, spatial data, and Geographic Information Systems. Students will be to get familiar with fundamental of GIS project management, including GIS software, digital mapping, and GIS applications.

In this course they will be focusing on the basic background material for understanding geographic concepts. During the lab sessions, students will get familiar with the specific implantation of those concepts within Quantum GIS (Q-GIS) and ArcGIS online. The purpose of all these materials is preparation for the next courses like cartography and finding the value of using geographic information system in different majors.

REQUIRED Software(S)

1- Zoom

All UVic students are able to have their own Zoom accounts (uvic.zoom.us). All the students pay close attention to the [Zoom Terms of Service](#), specifically the _____. The [Zoom Orientation Guide](#) can help students get started with using Zoom.

2- Quantum GIS (Q-GIS)

It is a free and open-source cross-platform desktop geographic information system (GIS) application. The essential link and tutorial for the installation are on our lab website.

REQUIRED TEXT(S)

There is no required textbook for this course, however weekly readings and online learning resources will be provided on CourseSpaces throughout the course.

LEARNING OUTCOMES

1. ability to complete continuous and discrete geo-referencing;
2. ability to read and calculate scales;
3. ability to understand, evaluate and select suitable map projections;
4. ability to classify geographic information;
5. ability to differentiate between different types of maps;
6. describe how GIS can be used to solve problems;
7. ability to explore GIS data, metadata and maps;
8. ability to create a basic digital GIS map.

EVALUATION

GEOGRAPHY DEPARTMENT INFO

- Geography Department website: uvic.ca/socialsciences/geography/
- Undergraduate Advising: geogadvising@uvic.ca
- Department Chair: Dr. David Atkinson geogchair@uvic.ca

COURSESPACES

CourseSpaces learning management systems (LMS) will serve as the main avenue of communication (<http://coursespaces.uvic.ca>). 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

POLICY ON ATTENDANCE

A high level of student cooperation and participation, involving asking and answering questions is expected. The meeting software (Zoom) is recording only name and number of participants automatically. Students are expected to attend all lectures, take notes and be punctual for class.

Details regarding your labs and their marks are managed by the course Lab Instructors. Please discuss any issues or questions on labs with your Lab Instructor first. Any discrepancy with lab grades must be reported to your Lab Instructor, then the Course Instructor within seven days of receiving the marked assignment.

Advice: Students have in the past found that some of the lab assignments can be time-consuming and challenging. We are here to help with this – Please make sure you schedule your time effectively. The Labs are four hours. Please plan to be there for the entire lab time. The labs materials are designed to be both supplemental and complementary to the lectures. Slides are not designed to replace attendance in class or lab.

PLAGIARISM

Academic dishonesty (plagiarism, cheating) is a very serious matter in any academic institution and is dealt

For the use of ArcGIS Online, we generate a username that will be an alias – but in order to generate and manage your password, your email address is required.

If you are not comfortable with your personal information being stored outside of Canada, please speak to me within the first week of class about using an alternative (such as using an alias or nickname).

Otherwise, by continuing in this course, you agree to the use of the educational technology in the course and the storage of personal information outside of Canada.

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

We 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.

WEEKLY Lecture Topics Tentative Calendar

Week	Dates	Lab	Due
1	July 6 th		