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**COURSE OUTLINE**  
**Geog 222: Introduction to Maps and GIS**

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**Office Hours:** Tuesday 10:30-11:30

**Office Location:** DTB B204

**Contact:** smaxwell@uvic.ca

**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**

The course introduces techniques and fundamentals of spatial data and analysis. Topics include: scale, map projections, map interpretation, GPS and Geographic Information Systems.

**Lectures:** Tues/Wed 9:30-10:30 DTB A110

**KEY THEMES:** GIS, digital mapping, spatial data, GPS, on-line mapping

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**REQUIRED TEXT**

None

**RECOMMENDED TEXT**

Essentials of Geographic Information Systems (link to online text posted on Course Brightspace page).

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**LEARNING OUTCOMES**

- Understand fundamentals of geographic information and spatial data.
- Basic understanding of Geographic Information Systems.
- Gain familiarity with GIS software and digital mapping.

**EVALUATION**

Laboratory Assignments 42%

Midterm Exam 15%

Final Exam 35%

Unit Quizzes 8%

Students have in the past found that some of the lab assignments can be time-consuming and challenging. Please make sure you schedule your time effectively. The Labs are 2 hours. Please plan to be there for the entire lab time. The lab materials are designed to be both supplemental and complementary to the lectures.

Testable material for exams includes lecture material, lab material, readings and other items posted to Brightspace. Exams will be a combination of short-answer, calculations, and multiple-choice. Electronic devices for use during exams are limited to non-graphing scientific calculators, unless otherwise expressly permitted by the course instructor.

## GRADING SYSTEM

Students who have completed the following elements will be considered to have completed the course:

- Midterm Exam
- Laboratory Assignments
- Final Exam

Failure to complete one or more of these elements will result in a grade of “N” regardless of the cumulative percentage on other elements of the course. N is a failing grade and factors into GPA as a value of 0.

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
<b>A+</b> <b>A</b> <b>A-</b>	9 8 7	90-100% 85-89% 80-84%	<b>Exceptional, outstanding and excellent</b> 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> <b>B</b> <b>B-</b>	6 5 4	77-79% 73-76% 70-72%	<b>Very good, good and solid</b> 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.
<b>C+</b> <b>C</b>	3 2	65-69% 60-64%	<b>Satisfactory, or minimally satisfactory.</b> These grades indicate a satisfactory performance and knowledge of the subject matter.
<b>D</b>	1	50-59%	<b>Marginal</b> Performance. A student receiving this grade demonstrated a superficial grasp of the subject matter.
<b>F</b>	0	0-49%	<b>Unsatisfactory</b> performance. Wrote final examination and completed course requirements; no supplemental.
<b>N</b>	0	0-49%	Did not write examination or complete course requirements by the end of term or session; no supplemental.

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## GEOGRAPHY DEPARTMENT INFO

- Geography Department website: [uvic.ca/socialsciences/geography/](http://uvic.ca/socialsciences/geography/)

- Geography Department Chair: [geogchair@uvic.ca](mailto:geogchair@uvic.ca)
- Geography Undergraduate Advising: [geogadvising@uvic.ca](mailto:geogadvising@uvic.ca)

## BRIGHTSPACE

<https://bright.uvic.ca/d2l/home/314276>

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## POLICY ON LATE ASSIGNMENTS

Late assignments will be penalized **15% per day** (including weekends and holidays). For extenuating circumstances and health problems please inform the course instructor of your situation promptly within 5 days of the due-date. Advance notice is preferable. For technical issues you must inform the TA one day prior to the due date.

## POLICY ON ATTENDANCE

Lectures and labs are in-person. Lecture slides will be posted to Brightspace. Attendance in lectures and labs is highly recommended.

Students may only attend the lab section in which they are registered.

## 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](http://web.uvic.ca/calendar/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](http://uvic.ca/learningandteaching/cac/index.php).

Please complete the University's Academic Integrity on-line course available through Brightspace: <https://bright.uvic.ca/d2l/le/discovery/view/course/132610>

You may work with your fellow students in the labs, in fact this is encouraged, however **your answers must be your own. Do not submit the same work as other students.**

## 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 ([uvic.ca/services/cal/](http://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](http://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](mailto:svpcoordinator@uvic.ca)

Web: [uvic.ca/svp](http://uvic.ca/svp)

## RESOURCES FOR INTERNATIONAL STUDENTS

The University of Victoria offers a number of resources to support international students as they pursue their studies. UVic's [International Centre for Students](#) is the primary office supporting international students on campus at the university-wide level and provides various supportive program through the [UVic Global Community Initiative](#), including a Mentorship Program and Conversation Partner Program. For academic advising-related questions, students in the Geography Department are also encouraged to meet with the Geography Undergraduate Advisor ([geogadvising@uvic.ca](mailto:geogadvising@uvic.ca)) as well as an academic advisor in the [Academic Advising Centre](#) early in their studies to help map out a plan to declare a major and complete university program requirements. Other resources include the [Centre for Academic Communication](#) and the [Math and Stats Assistance Centre](#). International students are also encouraged to contact the International Student Liaison in Geography (Prof. CindyAnn Rose-Redwood, [cindyann@uvic.ca](mailto:cindyann@uvic.ca)), who can assist in making connections with other international and domestic students in the Geography Department and share opportunities for getting involved in departmental activities more broadly.

## 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 online 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 CALENDAR

	Dates	Lecture	Lab	Due Date
1	Sept. 4 <sup>th</sup> – Sept. 8 <sup>th</sup>	Introduction	No Lab	
2	Sept. 11 <sup>th</sup> – Sept. 15 <sup>th</sup>	Spatial Data	Lab 1 Spatial Data 7%	
3	Sept. 18 <sup>th</sup> – Sept. 22 <sup>nd</sup> <i>Sept 22 last day to</i>	Coordinate Systems & Map Projections	Work Period	

	<i>add courses</i>			
4	Sept. 25 <sup>th</sup> – Sept. 29 <sup>th</sup>	Queries Truth & Reconciliation	Lab 2 Coordinate Systems 7%	Lab 1
5	Oct. 2 <sup>nd</sup> – Oct. 6 <sup>th</sup> <i>Oct 2<sup>nd</sup> University Closed</i>	Queries Guest Lecture	Work Period	
6	Oct. 9 <sup>th</sup> – Oct. 13 <sup>th</sup> <i>Oct 9<sup>th</sup> Holiday</i>	Overlays	Lab 3 Queries 7%	Lab 2
7	Oct. 16 <sup>th</sup> – Oct. 20 <sup>th</sup>	Midterm Prep Session <b>Midterm Oct 18<sup>th</sup></b>	Work Period	
8	Oct. 23 <sup>rd</sup> – Oct. 27 <sup>th</sup>	Raster	Lab 4 Overlay Analysis 7%	Lab 3
9	Oct. 30 <sup>th</sup> – Nov. 3 <sup>rd</sup> <i>Oct 31<sup>st</sup> last day to withdraw without failure</i>	Webmaps and Cartography	Work Period	
10	Nov. 6 <sup>th</sup> – Nov. 10 <sup>th</sup>	3D Applications	Lab 5 Raster Analysis 7%	Lab 4
11	Nov. 13 <sup>th</sup> – Nov. 17 <sup>th</sup> <i>Reading Break</i>	No lectures	No Labs	
12	Nov. 20 <sup>th</sup> – Nov. 24 <sup>th</sup>	GPS & Data Collection	Lab 6 Metadata and Web Maps 7%	Lab 5
13	Nov. 27 <sup>nd</sup> – Dec. 1 <sup>st</sup>	Review	Work Period	
14	Dec. 4 <sup>th</sup> – Dec. 8 <sup>th</sup>	No lectures	No Labs	Lab 6

## DISCLAIMER

The above 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/](http://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/](http://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/](http://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](http://uvic.ca/services/indigenous/students/programming/elders/index.php)