



COURSE OUTLINE
Field Work in Coastal Geomatics

Lecture: 14:30-16:20, Tuesdays, MAC D109

Office Hours: 10:00-11:00, Tuesday

Office Location: David Turpin B126

Contact: maycira@uvic.ca

Lab: 12:30-15:20, Fridays, DTB A251

Office Hours: 1:00 – 3:00pm, Thursday

TA: Alena Wachmann

Contact: awachmann@uvic.ca

We acknowledge and respect the ləkʷəŋən 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 intends to raise scientific awareness of field methods for the purposes of understanding the interaction of electromagnetic radiation with the Earth's surface and evaluating satellite imagery. In the field and lab, students will acquire spectral measurements and other ancillary information, and further process and analyze different data. The focus is on coastal ecosystems.

KEY THEMES: field and lab spectroscopy, data analysis, remote sensing, project-based

LEARNING OUTCOMES

Field and lab remote sensing data acquisition, data processing, oral and written presentation skills

EVALUATION

Presentation readings	15%	Lab 1 – report (individual)	20%
		Lab 2 - report (individual)	15%
		Lab 3 – presentation (individual)	15%
Project proposal	5%		
Final project - poster	30%		

To obtain a passing grade in the course (at least a “D”), students are required to pass both components of the course (Lab and presentation/project).

GRADING SYSTEM

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+	9	90-100%	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.
A	8	85-89%	
A-	7	80-84%	
B+	6	77-79%	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 a satisfactory grasp in the other area.
B	5	73-76%	
B-	4	70-72%	
C+	3	65-69%	Satisfactory , or minimally satisfactory . These grades indicate a satisfactory performance and knowledge of the subject matter.
C	2	60-64%	
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 an examination or complete course requirements by the end of term or session; no supplemental.

GEOGRAPHY DEPARTMENT INFO

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

BRIGHTSPACE

Information will be available shortly

In **Brightspace** (use your **Netlink ID**), select **Geog 420, Lecture Content**, the **week**, and click on the **link**.

POLICY ON LATE ASSIGNMENTS

The penalty for assignments handed in late is **20% per day** every day after. **All assignments must be submitted to be allowed to present the final project. Failure to submit an assignment will result in a failing grade of incomplete (N)**. Exceptions will only be granted for medical reasons or extreme personal crises. Only the course instructor can grant exceptions.

NOTES

1. I reserve the right to make changes to the schedule.

2. The best way to reach me is to see me during office hours. Do not expect immediate e-mail replies, so **plan ahead**.

3. If you have ANY concerns related to lectures and labs please come see me as soon as possible.

4. The order of the subjects may change during the term. As this is a 4th-year course there is an expectation that the students will participate/interact in the lecture/seminar portion of the meeting.

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

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 (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

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) 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), 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

WEEK	DATE	
1 - lecture	Sep 12	Course Outline and instructions
1 - lab	Sep 15	NO LAB
2 - lecture	Sep 19 (Last day for withdrawing courses)	Spectral measurements 1
2 - lab	Sep 22	UVic – SPECTRAL lab DTB B129 – <i>labs, learn how to use the equipment</i>
3 - lecture	Sept 26	Spectral measurements 2/UAV for coastal mapping – Invited talk (Alena and Lauren)
3 - lab	Sept 29	Lab 1 – Kelp fieldwork (<i>meet at Smugglers Cove, Ten Mile Point</i>)
4 - lecture	Oct 3	Presentation of readings 1
4 - lab	Oct 6	Lab 1 – Kelp data analysis - DTB A251
5 - lecture	Oct 10	Presentation of readings 2
5 - lab	Oct 13	Lab 2 – Lab 2 experiment - DTB B129 (Lab 1 report due)
6 - lecture	Oct 17	Water and Nearshore Remote Sensing
6 - lab	Oct 20	Lab 3 - Lab 3 experiment - DTB B129 (Lab 2 report due)

7 - lecture	Oct 24	Field methods and design a project proposal
7 - lab	Oct 27	Discussion of project proposals - DTB A251 (Lab 3 report due)
8 - lecture	Oct 31	Presentation: project proposals
8 - lab	Nov 3	Project data acquisition
9 - lecture	Nov 7	Active and Passive Remote Sensing for coastal monitoring
9 - lab	Nov 10	Project data acquisition
10 - lecture	Nov 14	No Class – Reading break
10 - lab	Nov 17	No Lab – Reading break
11 - lecture	Nov 21	Project Data discussion (bring your data)
11 - lab	Nov 24	Project Data Analysis - DTB A251
12 - lecture	Nov 28	Poster presentations
12 - Lab	Dec 1	No Lab

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/

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