

**Geog 420 – Field Work in Coastal Geomatics
Fall 2018**

Instructor Maycira Costa (maycira@uvic.ca)

Office Hours Wednesday 3.30pm – 4.30pm
David Turpin B126

Lecture Hours Tuesday and Wednesday 12.30am – 13.20am
CLE D130

Teaching Assistant Sarah Schroede (sbs@uvic.ca)

Course Objectives 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.

Late Assignment Policy Penalty for assignments handed in late is **10% for the first day followed by 25%** every day after. **Failure to submit a lab assignment will result in a failing grade of incomplete (N).** Exceptions will only be granted for medical reasons (requiring a written report from a medical practitioner stating your inability to attend class) or extreme personal crises. Only the course instructor can grant exceptions. Please do not try to negotiate exceptions with the TA.

Course Evaluations

Presentation readings	10%	Lab 1 – report (individual)	20%
		Lab 2 - report (individual)	20%
		Lab 3 – presentation (group)	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.

Grading Scale

A+	A	A-	B+	B	B-	C+	C	D	F
90-100%	85-89%	80-84%	77-79%	73-76%	70-72%	65-69%	60-64%	50-59%	0-49%

Academic Standards

Plagiarism will be dealt with in accordance with university policy. Please review calendar for details. Be sure to reference all material you use. If you have any questions, please contact me.

Students with a Disability

If you have any type of disability, there are support systems, resources, and accommodation actions available to you. If you wish to access any of these supports, resources or accommodations, I encourage you to contact the Resource Centre for Students with a Disability (<http://rcsd.uvic.ca/>) and I would be more than happy to work with you to ensure your success in this course.

Please Note: **You are under no obligation to disclose your disability.**

Notes

1. I reserve the right to make changes to the schedule.
2. The best way to reach me is to come 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.

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.

Tentative Course Schedule

Date	Lecture/lab	Topic
Sept 5	Lecture 1	Course Outline and instructions.
Sept 11	Lecture 2	Spectral measurements 1
Sept 12	Lecture 3	Spectral measurements 2
Lab 14		<i>UVic – learn how to use the equipment - SPECTRAL lab DSB B129</i>
Sept 18	Lecture 4	Presentation of readings 1 (group)
Sept 19	Lecture 3	Presentation of readings 2 (group)
Lab - 21	<i>Lab</i>	<i>Lab 1 experiment – SPECTRAL lab DSB B129 (4 groups of 5 students)</i>
Sept 25	Lecture 4	Presentation of readings 3 (group)
Sept 26	Lecture 5	Presentation of readings 4 (group)
Lab - 28	<i>Lab</i>	<i>Lab 1 data analysis</i>
Oct 2	Lecture 6	Field methods/Report tips
Oct 3	Lecture 7	Ocean Remote Sensing
Lab - 5	<i>Lab</i>	<i>Lab 2 – Kelp detection (Lab 1 due – individual reports)</i>
Oct 9	Lecture 8	Nearshore remote sensing
Oct 10	Lecture 9	SeaDas/Beam introduction
Lab -12	<i>Lab</i>	<i>Lab 2 – Kelp data analysis</i>
Oct 16	Lecture 10	Design a project proposal (Lab 2 due -individual reports)
Oct 17	Lecture 11	Project ideas – discussion/ ferry project introduction
Lab - 19	<i>Lab</i>	<i>Lab 3 - Ferry group project</i>
Oct 23	Lecture 12	Project ideas - discussion
Oct 24	Lecture 13	Invited talk - industry
Lab -26	<i>Lab</i>	<i>Lab 3- Ferry data analysis</i>
Oct 30	Lecture 14	Presentation project proposal 1 (group)
Oct 31	Lecture 15	Presentation project proposal 2 (group)
Lab 2	<i>Lab</i>	<i>Project data acquisition</i>
Nov 6	Lecture 16	Lab 3 - Ferry project presentation 1 (group)
Nov 7	Lecture 17	Lab 3 - Ferry project presentation 2 (group)
Lab 9	<i>Lab</i>	<i>Project data acquisition</i>
Nov 13	No class	Reading break
Nov 14	No class	Reading break
Lab 16	<i>Lab</i>	Reading break
Nov 27	Lecture 20	Discussion of project data (students must bring data to discuss)
Nov 28	Lecture 21	Discussion of project data (students must bring data to discuss)
Lab 30	<i>Lab</i>	<i>Final projects: poster presentations</i>
Dec 4/5	Lecture 22	Invited talk – Hakai Neashore

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