

**Geog 420 – Field Work in Coastal Geomatics
Jan 2015**

Instructor Maycira Costa (maycira@uvic.ca)

Office Hours Wednesday 4.00pm – 5.00pm
David Turpin B126

Lecture Hours Tuesday and Wednesday 10.30am – 11.20am
DSB C114

Teaching Assistant Stephen Philips (stephen.uvic@gmail.com)

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	15%
		Lab 2 - report	15%
		Lab 3 - presentation	20%
Project proposal	10%		
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
Jan 6	Lecture 1	Course Outline and instructions. Introduction
Jan 7	Talk	Dr. Saab – MarsOne Project: 1:30pm at MACD283
		No lab
Jan 13	Lecture 2	Spectral measurements 1
Jan 14	Lecture 3	Spectral measurements 2
Jan 16	Lab	<i>UVic – learn how to use the equipment - SPECTRAL lab DSB B129</i>
Jan 20	Lecture 4	Field methods
Jan 21	Lecture 5	Ocean Remote Sensing
Jan 23	Lab	<i>Lab 1 experiment – SPECTRAL lab DSB B129 (4 groups of 5 students)</i>
Jan 27	Lecture 6	Presentation of readings 1
Jan 28	Lecture 7	Presentation of readings 2
Jan 30	Lab	<i>Turbidity data analysis</i>
Feb 3	Lecture 8	Presentation of readings 3
Feb 4	Lecture 9	Design a project proposal
Feb 6	Lab	<i>Lab 2 experiment – SPECTRAL lab DSB B129 (4 groups of 5 students) – hand Lab 1 individual report</i>
Feb 9-13	No class/Lab	Reading break
Feb 17	Lecture 10	Project ideas - discussion
Feb 18	Lecture 11	Ferry trip - Field preparation
Feb 20	Lab	<i>Field trip – Ferry group project; hand Lab 2 individual report</i>
Feb 24	Lecture 12	Presentation project proposal 1 (group)
Feb 25	Lecture 13	Presentation project proposal 2 (group)
Feb 27	Lab	Presentation project proposal 3 (group); <i>Ferry data analysis</i>
March 3	Lecture 14	Case study
March 4	Lecture 15	Ferry project presentation 1 (group)
March 6	Lab	<i>Project data acquisition</i>
March 10	Lecture 16	Ferry project presentation 2 (group)
March 11	Lecture 17	Ferry project presentation 3 (group)
March 13	Lab	<i>Project data acquisition</i>
March 17	Lecture 18	Discussion of project data (students must bring data to discuss)
March 18	Lecture 19	Discussion of project data (students must bring data to discuss)
March 20	Lab	<i>Project data acquisition</i>
March 24	Lecture 20	Discussion of project data (students must bring data to discuss)
March 25	Lecture 21	How to organize a scientific poster?
March 27	Lab	<i>Final projects: poster presentations</i>
March 31	Lecture 22	Invited talk

THE UNIVERSITY OF VICTORIA IS COMMITTED TO PROMOTING, PROVIDING AND PROTECTING A POSITIVE AND SAFE LEARNING AND WORKING ENVIRONMENT FOR ALL OF ITS MEMBERS.