

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

Instructor Maycira Costa (maycira@uvic.ca)

Office Hours Wednesday 2:00pm – 3:00pm
David Turpin B126

Lecture Hours Tuesday and Wednesday 12:30am – 13:20am
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	10%	Lab 1 – report	15%
readings		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
Sep 9	Lecture 1	Course Outline and instructions. Introduction
<i>Sept 11</i>		No lab
Sept 15	Lecture 2	Spectral measurements 1
Sept 16	Lecture 3	Spectral measurements 2
<i>Sept 18</i>	<i>Lab</i>	<i>Lab 1 experiment – SPECTRAL lab DSB B129 (4 groups of 5 students)</i>
Sept 22	Lecture 4	Satellites and spectral measurements
Sept 23	Lecture 5	Field methods
<i>Sept 25</i>	<i>Lab</i>	<i>Lab 1 data analysis</i>
Sept 29	Lecture 6	Presentation of readings 1
Sept 30	Lecture 7	Presentation of readings 2
<i>Oct 02</i>	<i>Lab</i>	<i>Lab 2 experiment – SPECTRAL lab DSB B129 (4 groups of 5 students) – hand Lab 1 individual report</i>
Oct 06	Lecture 8	Presentation of readings 3
Oct 07	Lecture 9	Design a project proposal
<i>Oct 09</i>	<i>Lab</i>	<i>Lab 2 data analysis</i>
Oct 13	Lecture 10	Project ideas - discussion
Oct 14	Lecture 11	Ferry trip - Field preparation
<i>Oct 16</i>	<i>Lab</i>	<i>Field trip – Ferry group project; hand Lab 2 individual report</i>
Oct 20		Presentation project proposal 1 (group)
Oct 21		Presentation project proposal 2 (group)
<i>Oct 23</i>	<i>Lab</i>	Presentation project proposal 3 (group)
Oct 27	Lecture 12	Ferry data analysis
Oct 28	Lecture 13	Project data - review
<i>Oct 30</i>	<i>Lab</i>	<i>Ferry data analysis</i>
Nov 03	Lecture 14	Ferry project presentation 1 (group)
Nov 04	Lecture 15	Ferry project presentation 2 (group)
<i>Nov 6</i>	<i>Lab</i>	Project data acquisition
Nov 10	No class	<i>Reading Break</i>
Nov 11	No class	<i>Reading Break</i>
<i>Nov 13</i>	<i>No lab</i>	<i>Reading break</i>
Nov 17	Lecture 18	Project data acquisition
Nov 18	Lecture 19	Project Data acquisition
<i>Nov 20</i>	<i>Lab</i>	Project data acquisition
Nov 24	Lecture 20	Discussion of project data (students must bring data to discuss)
Nov 25	Lecture 21	How to organize a scientific poster? Discussion of project data
<i>Nov 27</i>	<i>Lab</i>	Data analysis
Dec 01	Lecture 22	Projects review
Dec 02	Lecture 22	Invited talk
Dec 04		Final projects: poster presentations

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