

Department of Geography

Course Outline

Geography 228 - Introduction to Remote Sensing Spring 2015

Instructor	Olaf Niemann (olaf@uvic.ca) Office Turpin Building A246 (office hours by arrangement)
Lecture Hours	Monday, Thursday @ 11:30-12:20
Lecture Location	Cornett A129
Course Objectives	To provide students with a conceptual and practical introduction to remote sensing data, processing, and interpretation/use.
Textbook	Introductory Digital Image Processing. A Remote Sensing Perspective. John R. Jensen. (Can be purchased at the UVic Bookstore)
Course website	There will be a course website where all of the course material will be provided: http://www.geog.uvic.ca/rs228 Login: geog228 PW:meris
Lab Assignments	All labs will be held in the Geomatics labs SSM A251/253. All assignments will be due at the time stipulated on the lab assignment handout. Penalties for late assignments are significant: 10% for the first 24 hour period day followed by 25% every 24 hour period after (no partial penalties).

All lab assignments must be submitted to be

allowed to sit the final examination. 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 your TA.

The lab website can be found at:

labs.geog.uvic.ca/geog228/

User: geog228

Password: meris

You are encouraged to have a look at the lab website before labs start.

Grading

The grade breakdown for the course is as follows:

Section A: **Exams: Midterm - 25%, Final 35%**

Section B: **Lab Assignments: 40%**

To obtain a passing grade in the course you will be required to obtain a passing grade in both sections **A AND B**

The grade breakdown follows the university convention:

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

Lab Access

The Geomatics Teaching Laboratory (Social Sciences & Math A251/A253) is open daily from 8.30 am to 4.30 pm. Access to the Laboratory is restricted after 4.30 pm for security purposes.

Course materials

All course materials (with the exception of the Textbook) will be available through *the course website*.

Tentative Lecture Schedule

January

Week of January 5

5: Intro Class

7: Introduction to Remote Sensing

Week of January 12

12: API - Aerial Photography

14: Aerial Photography

Week of January 19

19: Film/filters

21: Statistics 1

Week of January 26

26: Remote Sensing Systems

28: Electromagnetic Spectrum

February

Week of February 2

6: Midterm review

8: Midterm (tentative date)

Week of February 9

9 and 11: Reading Week

Week of February 16

20: Image Preprocessing 1

22: Image Preprocessing 2

Week of February 23

27: Image Preprocessing 3

29: Image Enhancements 1

March

Week of March 2

3: Image Enhancements 2

5: Image Enhancements 3

Week of March 9

5: Image Classification 1

17: Image Classification 2

Week of March 16

16: Image Classification 3

18: Examples of emerging remote sensing technologies 1

Week of March 23

24: Examples of emerging remote sensing technologies 2

26: Course review

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.

The University of Victoria is committed to promoting, providing and protecting a positive and safe learning and working environment for all its members