Department of Geography
Course Outline

Geography 228 - Introduction to Remote Sensing
Fall 2014

Instructor
Olaf Niemann
(olaf@uvic.ca)
Office: David Turpin Building A246
(office hours by arrangement)

Lecture Hours
Monday, Wednesday @ 1430-1520

Lecture Location
David Turpin Building A110

Course Objectives
To provide students with a conceptual and practical introduction to remote sensing data, processing, and interpretation/use.

Textbook

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.

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:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>&lt; 50%</td>
</tr>
<tr>
<td>D</td>
<td>50-59%</td>
</tr>
<tr>
<td>C</td>
<td>60-64%</td>
</tr>
<tr>
<td>C+</td>
<td>65-69%</td>
</tr>
<tr>
<td>B-</td>
<td>70-72%</td>
</tr>
<tr>
<td>B</td>
<td>73-76%</td>
</tr>
<tr>
<td>B+</td>
<td>77-79%</td>
</tr>
<tr>
<td>A-</td>
<td>80-84%</td>
</tr>
<tr>
<td>A</td>
<td>85-89%</td>
</tr>
<tr>
<td>A+</td>
<td>90-100%</td>
</tr>
</tbody>
</table>

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. You are encouraged to purchase an entry card, which will enable you to gain access to that facility after hours. The cost of a card is $10.00 and you can keep it in case you take another course that uses the lab facilities.

Course materials

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

September
Week of September 1
  3: Intro Class
Week of September 8
  8: Introduction to Remote Sensing
  10: Introduction to Remote Sensing
Week of September 15
  15: Remote Sensing Systems
  17: Electromagnetic Spectrum
Week of September 22
  22: API - Aerial Photography
  24: Aerial Photography
Week of September 29
  29: Film/filters
    (Oct 1): Statistics 1

October
Week of October 6
  6: Midterm review?
  8: Midterm?
Week of October 13
  13: Thanksgiving
  15: Image Processing 1
Week of October 20
  20: Image Processing 2
  22: Image Preprocessing 3
Week of October 27
  27: Image Enhancements 1
  29: Image Enhancements 2

November
Week of November 3
  3: Image Enhancements 3
  5: Image Classification 1
Week of November 10
Reading Break

Week of November 17
  17: Image Classification 2
  19: Open/Guest lecture

Week of November 24
  24: Examples of emerging remote sensing technologies
  26: Course review