GEOGRAPHY 228 - A01
UNIVERSITY OF VICTORIA
Fall TERM 2021
Dr. Randy Scharien

COURSE OUTLINE
Introduction to Remote Sensing
David Turpin Building A102 14:30-15:20 Mondays and Wednesdays

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Office Hours: Wednesdays 13:00-14:00 or by appointment
Office Location: DTB B122
Contact: randy@uvic.ca

COURSE DESCRIPTION

The objective of this course will be to provide students with a conceptual and practical introduction to Remote Sensing (RS). We will explore air photos, remote sensing image titexts, journal articles, other material in the university libraries, & web-based information to supp

RECOMMENDED TEXT(S)

1. Introductory Digital Image Processing. A Remote Sensing Perspective. 4th Edition.

2. Computer Processing of Remotely-Sensed Images. 4th Edition. Paul M. Mather (a
   http://voyager.library.uvic.ca/vwebv/holdingsInfo?bibId=3122540

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LEARNING OUTCOMES

Theoretical: foundations of remote sensing. Technical: state-of-the-art software, image processing, and information extraction procedures. Practical: remote sensing and geospatial data analysis skills, remote sensing as a science and resource management tool, technical writing, knowledge communication.

EVALUATION

Midterm Exam (Component A)	25%
Final Exam (Component A)	35%
Lab Assignments (Component B)	40%

To obtain a passing grade in the course (at least a "D"), students are required to pass both components of the course.

GRADING SYSTEM

As per the Academic Calendar:

Grade	Grade point value	Grade scale	Description
A+ **A** **A-**	9 8 7	90-100% 85-89% 80-84%	**Exceptional**, **outstanding** and **excellent** performance. Normally achieved by a minority of students. These grades indicate a student who is self-initiating, exceeds expectation and has an insightful grasp of the subject matter.
B+ **B** **B-**	6 5 4	77-79% 73-76% 70-72%	**Very good**, **good** and **solid** performance. Normally achieved by the largest number of students. These grades indicate a good grasp of the subject matter or excellent grasp in one area balanced with satisfactory grasp in the other area.

POLICY ON LATE ASSIGNMENTS

Late lab assignments are subject to significant penalties: **20% per day following the due date and time**. 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 the TA.

ACADEMIC INTEGRITY

It is every student's responsibility to be aware of the university's policies on academic integrity, including policies on **cheating, plagiarism**, **unauthorized use of an editor**, **multiple submission**, and **aiding others to cheat**.

Policy on Academic Integrity: web.uvic.ca/calendar/undergrad/info/regulations/academic-integrity.html

If you have any questions or doubts, talk to me, your course instructor. For more information, see uvic.ca/learningandteaching/cac/index.php.

The instructor reserves the right to use plagiarism detection software programs to detect plagiarism in written assignments.

ACCESSIBILITY

Students with diverse learning styles and needs are welcome in this course. In particular, if you have a documented disability or health consideration that may require accommodations, please feel free to approach me and/or the Centre for Accessible Learning (CAL) as soon as possible (uvic.ca/services/cal/). The CAL staff is available by appointment to assess specific needs, provide referrals, and arrange appropriate accommodations. The sooner you let us know your needs, the quicker we can assist you in achieving your learning goals in this course.

POSITIVITY AND SAFETY

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

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 online and can be done on your laptop, tablet, or mobile device. I will remind you and provide you with more information nearer the time but please be thinking about this important activity during the course.

WEEKLY CALENDAR

WEEK	LECTURE DATES	Lecture Information [Lab Information]
1	W 8 Sep	Course Introduction [No Labs]
2	M 13 Sep, W 15 Sep	Remote sensing introduction, Air photos [Lab Intro/ Lab 1]
3	M 20 Sep, W 22 Sep	Air photos, Air photos [Lab 1]
4	M 27 Sep, W 29 Sep 29 Sep	. DC 11 -0 0 1(4 19.4 refBTP)b1 Tf0 P 0.003 Tw 4.345 0 Td[(,)0.5 ( )]T