

GEOG 633 H (3-3)

RESEARCH AND APPLICATIONS IN REMOTE SENSING

Timetable	Lec 01	TR	9:30	ES 920	Catalogue #
	Lab 01	R	13:00	ES 415	

Instructor: Greg McDermid

Office: ES428

Office hours: By appointment

Phone: 210-5422

Email: Contact through Blackboard

Course Assistant: TBA

Office:

Office Hours:

Phone:

Email: Contact through Blackboard

Course Content: This seminar-based course will examine current research topics and techniques in remote sensing for geographical applications. These aspects will be examined in part through lectures, instructor- and student- led topic of interest presentations, lab assignments, and student-led remote sensing journal article presentations. Classroom discussions of reading assignments and presentations comprise a critical component of the course. Lab exercises will explore the technical aspects of some of the major topics using primarily PCI Geomatica and/or IDL/ENVI.

Blackboard: <http://blackboard.ucalgary.ca>

Reference Materials: There is no textbook required for this course. Students are expected to get the majority of their reference materials through scientific journals and the Internet. There are several good remote sensing textbooks that provide useful general reference materials, and students would be well-advised to gain access to one or more of the following:

- Lillesand, T. M., R. W. Kieffer, and J. W. Chipman, 2003: Remote Sensing and Image Interpretation. Wiley.
- Jensen, J. R., 2004: Introductory Digital Image Processing: A Remote Sensing Perspective. Prentice Hall.
- Jensen, J. R., 2000: Remote Sensing of the Environment: An Earth Resource Perspective. Prentice Hall.
- Berlin, G. L. and T. E. Avery, 2004: Fundamentals of Remote Sensing and Airphoto Interpretation. Prentice Hall.

Grading (Weighting):

1. Four Laboratory Assignments	40%
2. Two Presentations	
Remote Sensing Topic of Interest	10%
Critical Review of Journal Article	10%
3. Two Term Tests (15% each)	30%
4. Class Participation	10%

There is no registrar-scheduled final exam for this course

Note: it is not necessary to pass each course component in order to pass the course.

Grading System:

96-100	A+	77-80	B	59-61	C-
90-95	A	71-76	B-	55-58	D+
86-89	A-	65-70	C+	50-54	D
81-85	B+	62-64	C	0-49	F

Plagiarism

Academic dishonesty is not an acceptable activity at the University of Calgary and students are **strongly advised** to read the Student Misconduct section in the University Calendar. Quite often, students are unaware of what constitutes academic dishonesty or plagiarism. The most common are 1) presenting another student's work as your own 2) presenting an author's work or ideas as your own without proper referencing and 3) using work completed for another course. This activity will not be tolerated in this course and students conducting themselves in this manner will be dealt with according to the procedures outlined in the calendar.

Re: Posting of Grades and Picking-up of Assignments

- Assignments will be handed back only in class or by the Professor at pre-arranged time(s).
- To receive your assignment back via mail, please include an appropriately sized self-addressed, stamped envelope with your assignment when handing in to the professor.
- Posting of grades will be at the discretion of each Professor and, if posted, they will be scrambled. Grades will **not** be available at Geography's main office.

Contact Information for Student and Faculty Representation

- SU VP Academic Phone: 220-3911 and e-mail: suvpaca@ucalgary.ca
- SU Faculty Rep. Phone: 220-3913 and e-mail: socialscirep@su.ucalgary.ca

Campus Safewalk

Campus Security, in partnership with the Students' Union, provides the Safewalk service, 24 hours a day, to any location on Campus including the LRT, parking lots, bus zones and University residences. Contact Campus Security at 220-5333 or use a help phone, and Safewalkers or a Campus Security officer will accompany you to your Campus destination.