

**GEOGRAPHY 603
H(3-3)**

Remote Sensing: Basics and Beyond

Instructor: Mryka Hall-Beyer

Official Course Description:

Introduction to the theory and practice of remote sensing. Topics include physics of remote sensing, sensor systems, resolutions, geometric and radiometric correction, image analysis (enhancements, filtering, texture analysis, principal components, classification approaches and algorithms and accuracy). May include specific image acquisition systems and their methodological requirements. Emphasis is on fundamental concepts. Laboratory provides experience with fundamental image processing techniques.

Prerequisite:

Consent of the Department

Blackboard:

All course materials, assignment submissions and announcements are handled using Blackboard courseware.

Text(s)/Readings:

Jensen, J. R. 2005. **Introductory Digital Image Processing: A Remote Sensing Perspective**. 3rd edition. Pearson/Prentice Hall. ISBN 0-13-145361-0.
Northey, M. and D. B. Knight. 2007. **Making Sense: A Student's Guide to Research and Writing in Geography and Environmental Sciences**. 3rd edition. Oxford University Press. ISBN-10: 0-19-542589-8.

CPS Clickers will be used and must be registered. Available in bookstore; registration instructions are on Bb site.

Grading (Weighting):

Labs: 4 @ 10, 10, 10 and 12%	42%
Lab exam	10%
Tests 3X10%	30%
Article Review	12%
Online quizzes 6 x 1%	6%

It is not necessary to pass all components individually to pass the course; course pass is based on cumulative grade in all components.

There is no final examination for this course

Grading System:

EITHER this type of grading system [numbers may be changed but you must include **all** the letter grades]

94-100 A+	75-79.99 B	56-60.99 C-
88-93.99 A	70-74.99 B-	52-55.99 D+
84-87.99 A-	66-69.99 C+	50-51.99 D
80-83.99 B+	61-65.99 C	0-49.99 F

For additional detailed course information posted by the Instructor see Blackboard at:
<http://blackboard.ucalgary.ca/>

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.

Disability Resource Centre Accommodations

It is the student's responsibility to request academic accommodations. If you are a student with a documented disability who may require academic accommodation and have not registered with the Disability Resource Centre, please contact their office at 220-8237. Students who have not registered with the Disability Resource Centre are not eligible for formal academic accommodation. You are also required to discuss your needs with your instructor no later than fourteen (14) days after the start of this course.

Re: Posting of Grades and Pickup of Assignments

- All assignments and grading will be handled through web-based courseware and will therefore be accessible at any time to each student via password. No grades will be posted in another format.
- Please note, grades will not be available in the Geography office.

Contact Information for Student and Faculty Representation

- SU VP Academic Phone: 220-3911 and e-mail: suypaca@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.

