

**GEOG 695.13****PROJECT MANAGEMENT IN GIS AND REMOTE SENSING**

**Instructor: Diane Coleman**  
Office: ES  
Office hours: 4-5 pm  
Phone: 242-2103  
e-mail: eoservices@platinum.ca

**CA/TA (if applicable): NA**  
Office:  
Office hours:  
Phone:  
e-mail:

**Course Content**

The geomatics business is highly competitive – locally, nationally and globally. The ability to manage this project-based business effectively and efficiently provides a very significant competitive advantage. Effective geoproject management is thus a necessary business skill for any professional entering or working in the geomatics field.

This course is designed to provide MGIS students with the management skills required to plan, execute, control and complete geomatics projects within an industrial, research or governmental organizational environment. The course will cover the definitions and principles of project management, and the tools and techniques required for project planning, scheduling, budgeting, controlling and reporting. Specific topics include management of project scope, time, cost, quality, human resources, communications, risk and procurement. Throughout the course, geomatics project examples from real-world experience will be presented and discussed, and practical tips provided throughout.

After completing this course successfully, students will feel comfortable working in a geomatics project environment, and will be able to apply their skills to planning and managing geomatics projects in a business or research setting.

**Course Units:**

- Introduction to geomatics project management
- Basic project management concepts
- Initiating geomatics projects
- Geoproject planning
  - The geoproject plan
  - Scope definition and the work breakdown structure
  - Time and the project schedule
  - Cost management and the project budget
  - People in the geoproject: project stakeholders; the project team
  - Planning other geoproject components: risk, quality, communications, procurement
- Project execution: managing work, quality, communications, procurement
- Project control: tracking progress, monitoring change
- Project closure
- Summary: geoproject management and you as a geomatics professional

**Lab Activities/Software/Student Assignments**

This block course is presented entirely in the computer lab. Students should become familiar with the Microsoft Project project management software, and some class time is allocated for individual

exploration of this software package. Use of this software is helpful, but not required for completion of assignments. Three short individual assignments are completed during this block course, along with one larger team assignment which includes a presentation in class. Some class time is allocated for work on these assignments. To fully benefit from this course, students are expected to take an active role in class discussions. A final project is due two weeks after the end of the block course.

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

**Required Texts**

The following is the standard background text for general project management and is recommended, but not required, for the class:

*A Guide to the Project Management Body of Knowledge*, Project Management Institute Standards Committee, Upper Darby, PA, 2004.

**Readings/Manual:** none

**Grading (Weighting)**

Class exercises (3 @ 5% each)	15%
Team assignment/presentation	20%
Final project (due 23 June 2006)	60%
Participation (class discussion)	5%

There is no final examination for this course.

**Prerequisite:** basic knowledge of GIS and remote sensing

**Supplementary Fees:** N/A

**Grading System**

Grade	Percent	Graduate Description
A+	95.0 - 100	Outstanding
A	90.0 - 94.9	Excellent – superior performance showing comprehensive understanding of the subject matter
A-	85.0 – 89.9	Very good performance
B+	80.0 – 84.9	Good performance
B	75.0 – 79.9	Satisfactory performance
B-	70.0 – 74.9	Minimum pass for students in the Faculty of Graduate Studies
C+,C,C-	60.0 – 69.9	All grades below B- are indicative of failure at the graduate level and cannot be counted toward Faculty of Graduate Studies course requirements.
D+, D	50.0 – 59.9	
F	<50.0	

## 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 marked 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: [suypaca@ucalgary.ca](mailto:suypaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [socialsciirep@su.ucalgary.ca](mailto:socialsciirep@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.