

## GEOG 437 H (2-3) AREA III

## APPLIED MAPPING TECHNIQUES

<b>Timetable</b>	Lec #01	T	8:00-9:50	ES 307	<b>Catalogue #</b> 1782
	Lec #02	F	10:00-11:50	ES 307	
	Lab #01	R	8:00-10:50	ES407	
	Lab#02	T	13:00-15:50	ES 407	

**Instructor: Mryka Hall-Beyer**

Office: ES458

Office hours: T 10-11h, W 15-16h

Phone: 220-6586

e-mail: mhallbey@ucalgary.ca

**Course Content** Geography 437 covers production of maps from start to finish, including both rough and precision surveying, digital data compilation and manipulation working with ArcView, Adobe Illustrator and other software, thematic map design theory and practice, communication theory for both physical and human geography, and final computer-based map production. The course is primarily project based, and includes hands-on map work in most sessions. This course focuses on the communications aspects of mapping, rather than the technical aspects of GIS, although some GIS techniques are used.

**Lecture Topics:**

Design process in mapping; generalization; scales and scale changes; vector and raster data handling; datums, ellipsoids, projections and transformations; thematic maps; communication using colour and techniques appropriate to greyscale mapping; interpolation; contour mapping; digital elevation models and drapes; interfacing GIS and remote sensing with map production.

**Blackboard** <http://blackboard.ucalgary.ca/> Choose GEOG433. Enrolment in Blackboard is automatic with course registration.

**Required Texts** Dent, B. D. 1999. Cartography: Thematic Map Design 5<sup>th</sup> Ed. Toronto: WCB/McGraw-Hill. ISBN 0-679-38495-0. This book includes a 4-month time-limited license of ArcView, which would not be available with used copies. ArcView is available on campus in ES415 and in the Information Commons, so it is up to the student to judge if a personal license is required.

**Grading (Weighting)**

Project	65% total
subdivided: proposal	10%
sketch map	10
data collection	10
product	30
presentation gallery	5
Labs: 3 reports @ 10%	30% total
In-class "quick maps": 5@ 1% each	5%

There is no final examination for this course. It is essential that the total grade on the project be passing pass the course as a whole, although the final grade will depend on the overall average provided the project is passed.

**Prerequisite:** Geography 201; and Geography 333 or consent of the Department.

### Grading System

The following applies to any course components that are not marked with a letter grade. Material marked with a letter grade will be averaged using the 4.0 system outlined in the 2003-2004 University Calendar p. 41

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 or without proper referencing and 3) using work completed for another course unless previously approved [in GEOG437 students are encouraged to coordinate map production with paper or project work in another course, with consent of the other instructor]. 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.
- Grades will be available electronically by password. 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: [socialscirep@su.ucalgary.ca](mailto: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.