



GEOGRAPHY COURSE OUTLINE: WINTER 2013

Geography 687

Advanced Glacial Geomorphic Systems GFC Hours (3-3)

Section	Days	Times	Location
Lec 01	TuTh	09:30 – 10:45	ES 342
Lab 01	We	14:00 – 16:45	ES 307

Instructor: Darren Sjogren	Office: ES 406
Telephone: 220 2575	Email: sjogren@ucalgary.ca

Official Course Description:

Contemporary topics in glacial geomorphology and sedimentology. Course consists of lecture laboratory and seminar components.

Co-scheduled with Geog 507

Prerequisite: Consent of the Department.

Supplementary Fees: N/A

Text(s)/Readings:

Required text:

Bennett, M.R. and Glasser, N.F. 2009. *Glacial Geology: Ice sheets and landforms*, 2nd edition. Wiley-Blackwell.

Readings

Links (or bibliography) of additional readings will be posted on BlackBoard. It is your responsibility to check for additional readings, as they will be posted as the term progresses.

Martini, I.P., Brookfield, M.E., and Sadura, S. 2001. *Principles of Glacial Geomorphology and Geology*. Prentice-Hall, Inc., Upper Saddle River, New Jersey.

Benn, D.I. and Evans, D.J.A. 1998 or 2010. *Glaciers and Glaciation*. John Wiley & Sons Inc., New York.

Lecture and Laboratory Topics:

1. Glacier Mechanics
 - a. Glacier motion
 - b. Subglacial processes
 - c. Glacier hydrology
2. Landform and Sediment Associations
 - a. Erosional forms
 - b. Glacial sediments
 - c. Subglacial environments
 - d. Ice marginal environments
 - e. Proglacial environments
3. Glaciation in Alberta
 - a. Single & multiple glaciation theories
 - b. Extent of glaciation(s)
 - c. Landform/sediment assemblages
 - d. Deglacial environments

Grading:

Paper & Presentation #1	20%	
Till genesis - theory		
Paper & Presentation #2	30%	
Till genesis - methods		
Laboratory Exercises		
Airphoto analysis	20%	(4% each)
Midterm Exam	10%	
Final Exam	20%	Registrar Scheduled

Grading System:

A+	> 92	C+	68 – 72
A	88 – 92	C	64 – 68
A-	84 – 88	C-	60 – 64
B+	80 – 84	D+	56 – 60
B	76 – 80	D	50 – 56
B-	72 – 76	F	< 50

- Note:** (1) It is not necessary to pass each course component in order to pass the course.
(2) There will be a registrar scheduled final exam in this course.

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

Rounding of final grades

In an effort to be fair to all students in the class, your individual grade will not be “rounded” or “bumped” up, regardless of how close you are to a grade break. In short, the final grade breaks are hard breaks. This policy minimizes ambiguity and ensures the grading is as fair and clear as possible.

Writing across the Curriculum

Writing skills are not exclusive to English courses and, in fact, should cross all disciplines. The University supports the belief that throughout their University careers, students should be taught how to write well so that when they graduate their writing abilities will be far above the minimal standards required at entrance. Consistent with this belief, students are expected to do a substantial amount of writing in their University courses and, where appropriate, members of

faculty can and should use writing and the grading thereof as a factor in the evaluation of student work. The services provided by the Writing Centre in the Effective Writing Office can be utilized by all undergraduate and graduate students who feel they require further assistance.

Principles of Conduct

The University of Calgary Calendar includes a statement on the Principles of conduct expected of all members of the University community (including students, faculty, administrators, any category of staff, practicum supervisors and volunteers) whether on or off the University's property. This statement applies in all situations where the members of the University community are acting in their University capacities. All Members of the University Community have a responsibility to familiarize themselves with this statement which is available at: <http://www.ucalgary.ca/pubs/calendar/current/j-2.html>

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. <http://www.ucalgary.ca/honesty/plagiarism>

Disability Resource Centre 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.

Freedom of Information and Protection of Privacy

FOIP: The Freedom of Information and Protection of Privacy (FOIP) legislation disallows the practice of having students retrieve assignments from a public place, e.g., outside instructor's office, the department office, etc. Term assignments will be returned to students individually, during class or during the instructor's office hours; if students are unable to pick up their assignments from the instructor, they provide the instructor with a stamped, self-addressed envelope to be used for the return of the assignment.

Re: Posting of Grades and Picking-up of Assignments

- All assignments will be handled through Blackboard or personally.
- Their own grades will be available to each student on Blackboard by password access. 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: arts1@ucalgary.ca
- The students ombudsman office information can be found at: <http://www.su.ucalgary.ca/page/affordability-accessibility/su-structure/contact-info>

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.

Faculty of Arts Program Advising and Student Information Resources

Have a question, but not sure where to start? The new Faculty of Arts Program Information Centre (PIC) is your information resource for everything in Arts! Drop in at SS110, call us at 403-220-3580 or email us at artsads@ucalgary.ca. You can also visit the Faculty of Arts website at <http://arts.ucalgary.ca/undergraduate> which has detailed information on common academic concerns.

- For program planning and advice, contact the Student Success Centre (formerly the Undergraduate programs Office) at (403) 220-5881 or visit them in their new space on the 3rd Floor of the Taylor Family Digital Library.
- For registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210-ROCK [7625] or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts:

arts1@su.ucalgary.ca, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca