



## GEOGRAPHY COURSE OUTLINE: WINTER 2015

### Geography 687

#### Advanced Glacial Geomorphic Systems GFC Hours (3-3)

Section	Days	Times	Location
Lec 01	Th	6pm – 8:45pm	ES 313
Lab 01	We	1pm – 3:50pm	

Instructor: Darren Sjogren	Office: ES 406
Telephone: 220 2575	Email: <a href="mailto:sjogren@ucalgary.ca">sjogren@ucalgary.ca</a>

***The emergency evacuation assembly point for all classes taught in Earth Science is ICT Food Court.***

#### **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*, 2<sup>nd</sup> edition. Wiley-Blackwell.

#### Readings

Links (or bibliography) of additional readings will be posted on D2L. 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%	
Paper & Presentation #2	20%	
Laboratory Exercises		
Airphoto analysis	20%	(4% each)
Midterm Exam	10%	
Final Exam	20%	Registrar Scheduled

**Grading System:**

A+ > 90	C+ 66 – 70
A 86 – 90	C 62 – 66
A- 82 – 86	C- 58 – 62
B+ 78 – 82	D+ 54 – 58
B 74 – 78	D 50 – 54
B- 70 – 74	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.

**Policy regarding 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.

**For additional detailed course information posted by the Instructor Desire2Learn at <https://d2l.ucalgary.ca/d2l/home>**

**USRI**

At the University of Calgary, feedback provided by students through the Universal Student Ratings of Instruction (USRI) survey provides valuable information to help with evaluating instruction, enhancing learning and teaching, and selecting courses ([www.ucalgary.ca/usri](http://www.ucalgary.ca/usri)). Your responses make a difference - please participate in USRI Surveys.

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### **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 Support Services 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>

### **Student Accessibility Services Accommodations**

If you are a student with a documented disability who may require academic accommodation and have not registered with Student Accessibility Services, please contact their office at 220-8237. Students who have not registered with Student Accessibility Services 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 D2L or personally.
- Their own grades will be available to each student on D2L 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](mailto:suvpaca@ucalgary.ca)
- SU Faculty Rep. Phone: 220-3913 and e-mail: [arts1@ucalgary.ca](mailto: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 Students Centre is your information resource for everything in Arts! Drop in at SS 102, call us at 403-220-3580 or email us at [ascarts@ucalgary.ca](mailto:ascarts@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 registration (add/drop/swap), paying fees and assistance with your Student Centre, contact Enrolment Services at (403) 210 7625 or visit them at the MacKimmie Library Block.

Contact for Students Union Representatives for the Faculty of Arts:

[arts1@su.ucalgary.ca](mailto:arts1@su.ucalgary.ca),  
[arts4@su.ucalgary.ca](mailto:arts4@su.ucalgary.ca)

[arts2@su.ucalgary.ca](mailto:arts2@su.ucalgary.ca),

[arts3@su.ucalgary.ca](mailto:arts3@su.ucalgary.ca),