



GEOGRAPHY FINAL COURSE OUTLINE: FALL 2015

GEOGRAPHY 305 H(3-2)

Weather and Climate

Section	Days	Time	Location
LEC 01	TuTh	14:00 – 15:15	ES 443
LAB 01	Tu	08:00 – 09:50	SS 018
LAB 02	We	11:00 – 12:50	SS 018

Instructor: Brent Else	Office: ES 340
Tel: 220 2484	Email: belse@ucalgary.ca

Please note: The appropriate emergency evacuation assembly point for all classes taught in Earth Sciences is ICT Food Court, and Social Sciences is the Professional Faculties Food Court.

Official Course Description:

Introduction to physical principles of meteorology and climatology, including radiation and heat transfer in the atmosphere, atmospheric circulation, synoptic climatology, and weather systems. Laboratory work emphasizes local and North American examples.

Synopsis:

This course covers basic principles of meteorology and atmospheric science with a focus on physical understanding of weather and climate phenomena. Lectures and labs introduce the atmospheric and physical processes that underlie local, regional, and global weather patterns.

Prerequisite: Geography 211

Supplementary Fees: (*field trips etc*). N/A.

Text: *Weather and Climate: An Introduction* (2013), S L. Ross, Oxford University Press.
ISBN-13: 978-0195445879. On order at the bookstore.

Supplemental References:

Meteorology Today, C.D. Ahrens. Thomson Brooks/Cole Publishing. This text has been used in the past and used copies should be floating around to borrow or for not too much money.

Understanding Weather and Climate, 5th Edition (2010), E. Aguado and J.E. Burt, Pearson Education Inc., Upper Saddle River, New Jersey.

Course Evaluation

<i>Grade Summary:</i>	Labs (six)	36 %
	Quizzes (five)	24 %
	Mid-term Exam	20%
	Final Exam	20 % (to be scheduled by the Registrar)

Quizzes: There will be five 20 minute in-class quizzes, based on lecture material and reading assignments. These quizzes will be at the start of the class. If you keep up with your weekly reading these will be straightforward. Quizzes are worth 6% each, and your best 4 of 5 results count towards your mark. All quizzes are closed book.

Labs: There will be a series of six labs, each worth 6% of your final mark. You have 1-2 weeks to complete each lab exercise. The lab TA will be available during the lab periods. Lab exercises are a blend of computer-based data analysis and desktop analysis of weather charts. While many of the exercises can be completed at home, you are encouraged to come to your lab period for help. Most of the exercises are designed to be completed within the two-hour time period. Individual written assignments are required for each lab. You are welcome to work on the lab assignments together, but your submissions must be your own, and of course, as always, do not plagiarize or it is an automatic 0 for all involved.

Final Exam: Cumulative, Closed book. Two hours. To be scheduled by the registrar.

Late Policy: Lab assignments are to worked on individually are due at the beginning of the lab sessions as indicated in the class scheduled (see attached) and are to handed in to the Teaching Assistant for the course. Please hand in a paper copy. Assignments handed in late will be subject to a grade reduction of 10% per day (weekend and holidays included). Medical related circumstances will require a note from a physician.

Grading Scheme:

A+ 93-100	B+ 78-82	C+ 67-70	D+ 57-60	F < 50
A 86-93	B 74-78	C 63-67	D 53-57	
A- 82-86	B- 70-74	C- 60-63	D- 50-53	

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). Your responses make a difference - please participate in USRI Surveys.

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.

Academic Accommodations:

It is the student's responsibility to request academic accommodations according to the university policies and procedures listed below. The student accommodation policy can be found at: www.ucalgary.ca/policies/files/policies/student-accommodation-policy.pdf

Students needing an accommodation because of a Disability or medical condition should communicate this need to Student Accessibility Services in accordance with the Procedure for Accommodations for Students with Disabilities. The procedure can be found at: www.ucalgary.ca/policies/files/policies/procedure-for-accommodations-for-students-with-disabilities_0.pdf

Students needing an accommodation based on a Protected Ground other than Disability, should communicate this need, in writing, to the "(Instructor).

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

Posting of Grades and Pick up of Assignments

- Each assignment must be printed, stapled, and submitted at the start of class on its due date. Electronic copies of assignments will **not** be accepted.
- Final 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
- 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 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 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, arts2@su.ucalgary.ca, arts3@su.ucalgary.ca, arts4@su.ucalgary.ca