



## GEOGRAPHY FINAL COURSE OUTLINE: FALL 2010

### GEOGRAPHY 305 H(3-2) Area III

#### Weather and Climate

Timetable: LEC 01

TuTh 14:00 - 15:15

ST 139

Instructor: Shawn Marshall	Office: ES 404	Hours: TR 11:00-12:00 or by appointment
Tel: 220 4884	Email: <a href="mailto:marshals@ucalgary.ca">marshals@ucalgary.ca</a>	

#### **Official Course Description:**

This class covers physical principles of meteorology and climatology. We consider weather development in relation to different scales of atmospheric circulation, elements of synoptic and dynamic climatology, and the global energy balance. Course content includes patterns of global climate and introductory principles of climate change. Laboratory work emphasizes North American examples.

#### **Prerequisite:**

Geography 211

#### **Text(s)/Readings:**

*Meteorology Today: An Introduction to Weather, Climate and the Environment, 9th Ed.* (2009), C.D. Ahrens, Brooks/Cole, Belmont CA. ISBN-13: 978-0-495-55573-5

The text is required. Other readings will be provided in class.

#### **Supplemental References:**

*Understanding Weather and Climate*, 3rd Edition (2004), E. Aguado and J.E. Burt, Pearson Education Inc., Upper Saddle River, New Jersey.

#### **Course Evaluation:**

Quizzes (best 4 of 5)	25 %
Labs	30 %
Problem Set	10 %
Final Exam	35 %

#### **Problem Set**

There will one take-home assignment, worth 10%. This will consist of some calculations, analysis of weather and climate data, and discussion of theoretical material that we cover in class.

#### **Labs**

There will be a series of six labs over the semester, held roughly every other week and worth 30% of your final mark (6% each). Lab 1 will be held the week of September 20-24.

### Quizzes and Final Exam

There will be five 20-minute quizzes held in class, based on the lecture material and reading assignments. I will take the top 4 of 5 quizzes (totalling 25% of your final mark). Quizzes will begin promptly at the start of class and will run from 14:00-14:20.

There will also be a final exam, worth 35%, to be scheduled by the Registrar. The quizzes and final exam will be made up of short-answer questions to test your understanding. The final exam will be cumulative, testing your ability to integrate the course content.

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

### Grading System

94-100	A+	75-79	B	60-64	C-
86-94	A	71-75	B-	55-60	D+
82-86	A-	68-71	C+	50-55	D
79-82	B+	64-68	C	0-50	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 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.

#### Disability Resource Centre Accommodations

It is the student's responsibility to request academic 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.

#### Re: Posting of Grades and Picking-up of Assignments

- All assignments will be handles on Blackboard.
- 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](mailto:suvpaca@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.