

DEPARTMENT OF ENVIRONMENT & GEOGRAPHY – COURSE OUTLINE

GEOG 2540 (PS) Weather and Climate (Fall 2015) (3-Credit Hours)

Instructor:

Name: Prof. Ronald Stewart

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Lectures: Mon, Wed, Fri at 10:30 - 11:30 am in Room 218 Wallace

Office Hours: After class or by appointment (may set up a formal time later)

Textbook (required)

Ahrens, C.D., P.L. Jackson and C.E.J. Jackson, Meteorology Today: First Canadian Edition. Brooks/Cole, 2011.

Tools

All students should ensure they have non-programmable scientific calculators.

Course Description and Objectives

This course is concerned with the basics of weather and climate. It will cover basic issues of energy, moisture and wind and apply these concepts to optics, weather systems and climate. Reference to Canadian and international weather and climate events will be made as appropriate. Students should be prepared for basic mathematical/physical concepts to be treated in the course.

Term Work and Allocation of Marks

- Two (2) term assignments (10% each) = 20%
- One mid-term exam = 30%
- Final Exam = 50% (2 hours in the examination period)

The due dates and details of the assignments will be provided in class. It will be important to attend the lectures and interact with myself and other students. Students will not be permitted to write make-up tests or hand in late assignments except for documented medical or compassionate reasons. A grade of zero will be recorded for missed assignments, tests and exams. Any make-up test or examination may not follow the same format as the in-class one. Late assignments will be penalized 25% per day (including weekends and holidays).

The final date for voluntary withdraw from this course is November 18, 2015. Students may have access to their marks prior to this date and are encouraged to talk with me before a decision to withdraw is made.

Course Outline

Module	Topic
1	Introduction
2	Energy and Temperature
3	Moisture and Precipitation
4	Wind and Optics
5	Weather Systems
6	Climate Issues

Departmental Grading Standard

A+	90% and over	C+	65-69%
A	80-89%	C	60-64%
B+	75-79%	D	50-59%
B	70-74%	F	< 50%

Academic Dishonesty

Students should acquaint themselves with the University's policy on cheating and examination impersonation (see Section 7.0 of the University of Manitoba General Calendar). **Plagiarism and cheating are serious academic offences.**

The University of Manitoba has a new policy on electronic contact with students that requires all email contact on university business to use students' official University email addresses. The policy is at: http://umanitoba.ca/admin/governance/governing_documents/community/electronic_communication_with_students_policy.html