

GEOGRAPHY 421-001

Meteorology - Climatology

Instructor: Mark Coté
Room Cl. 325.3
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Class Schedule: Tuesday & Thursday 11³⁰ to 12⁴⁵ PM (1730Z to 1845Z) CL 317

Text: None. Readings supplemental to lectures and labs may be suggested by the instructor from readily available material.

<i>Grading:</i>	Weather briefing (pass/fail)	15%
	Lab exercises (approx. 3)	30%
	Review/commentary (early March)	25%
	Final exam	30%

- NOTE:**
- 1) A student who does not receive a grade for a weather briefing or final exam will be assigned a grade of NP for the course.
 - 2) Student weather briefings will be conducted in scheduled class times and must be performed individually.

Description:

Continuing from topics covered in previous courses, the class will focus on aspects of the atmospheric sciences, at diverse scales, with special reference to Prairie Canada. Operational and theoretical concerns will be emphasized with practice offered in forecasting techniques and research. Critical review and use of current research, literature and techniques in the atmospheric sciences will be a necessary component. The normal prerequisite for this class is GEOG 321 or permission of the Department.

Tentative Schedule:

<u>Week</u>	<u>Topics</u>
1	Weather Forecasting
3	Operational Meteorology
4	Hydrometeorology
5	Meteorological Instrumentation
6	Air Pollution Meteorology
8	Synoptic Climatology
10	Some Climate Regimes
11	Climate Change
12	Microscale Circulations