

# ATOC 541. SYNOPTIC METEOROLOGY 2.

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Credits: 3

Offered by: Atmospheric & Oceanic Sciences (Faculty of Science)

This course is not offered this catalogue year.

## Description

Analysis of current meteorological data. Quasi-geostrophic theory, including the omega equation, as it relates to extratropical cyclone and anticyclone development. Frontogenesis and frontal circulations in the lower and upper troposphere. Cumulus convection and its relationship to tropical and extratropical circulations. Diagnostic case study work.

- Winter
- 2 hours lecture; 2 hours laboratory
- Prerequisite (Undergraduate): ATOC 312 and ATOC 540 or permission of instructor.

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