

# ATOC 315. THERMODYNAMICS AND CONVECTION.

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Credits: 3

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

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

## Description

Buoyancy, stability, and vertical oscillations. Dry and moist adiabatic processes. Resulting dry and precipitating convective circulations from the small scale to the global scale. Mesoscale precipitation systems from the cell to convective complexes. Severe convection, downbursts, mesocyclones.

- Fall
- 3 hours lecture
- Prerequisites: ATOC 214 and MATH 222

Most students use Visual Schedule Builder (VSB) to organize their schedules. VSB helps you plan class schedules, travel time, and more.

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