

# ATOC 214. INTRODUCTION: PHYSICS OF THE ATMOSPHERE.

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Credits: 3

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

Terms offered: Fall 2025

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## Description

An introduction to key physical processes operating in the atmosphere, designed for students in science and engineering. Topics typically include: composition of the atmosphere; vertical structure; heat transfer; solar and terrestrial radiation and Earth's energy balance; seasonal and daily temperature changes; humidity and the formation of clouds and precipitation; stability of tropospheric air layers; applications of adiabatic charts.

- Fall
- 3 hours lecture
- Prerequisite: CEGEP Physics, or the combination of PHYS 131 and PHYS 142, or permission of instructor.

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