CIVE 561. GREENHOUSE GAS EMISSIONS.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Winter 2026

View offerings for Winter 2026 in Visual Schedule Builder.

Description

Greenhouse gas inventories at various scales from national to institutional. Emission estimation methods including field measurements and engineering calculations for anthropogenic sources including fossil fuel combustion from transportation and energy production, cement production, hydroelectric reservoirs, oil and gas systems, landfills, wastewater treatment and sewer systems, and agriculture. Technical and policy options for reducing greenhouse gas emissions. Group project.

- (3-0-6)
- Students are expected to have a background in data mining, statistical analysis, e.g. spatiotemporal analysis, and chemistry. WHMIS and other lab training is recommended.
- Prerequisite(s): CIVE 225 and CIVE 302 or equivalent, or permission of the instructor.