

SEAD 515. CLIMATE CHANGE ADAPTATION AND ENGINEERING INFRASTRUCTURE

Credits: 3

Offered by: Trottier Inst Sust,Eng&Design (Faculty of Engineering)

Terms offered: Fall 2025

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Description

Climate resilience and sustainability of engineering systems such as the built environment and engineering infrastructure in the context of a changing climate, possible mitigation and adaptation strategies and associated challenges and opportunities. Review of the basic principles that underpin the science of climate change; the role of global and regional climate models in predicting the behaviour of the climate system in response to different forcing scenarios, and the use of climate model outputs in support of across scale climate-resilience of various engineering systems including infrastructure systems.

- (3-0-6)
- Restrictions: Restricted to students registered in the Faculty of Engineering (including the School of Architecture and the School of Urban Planning).

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