

SEAD 540. INDUSTRIAL ECOLOGY AND SYSTEMS.

Credits: 3

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

Terms offered: Winter 2026

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Description

Industrial ecology theory, concepts, normative goals and analytical methods. Material and energy flows, environmental impacts of industrial activities, systems thinking, transitioning from linear to closed loop systems, recent contributions to sustainable product systems, urban metabolism, optimized materials or energy management, development of a circular economy, new environmental policies and business models based on product or material lifecycle information. Consumer and organizational behaviour in transitioning to sustainable industrial systems.

- (3-0-6)
- Restriction: Only open to students in the Faculty of Engineering. Students outside of the Faculty of Engineering may register with permission of the instructor.

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