

CIVE 545. LIFE CYCLE ASSESSMENT AND THE CIRCULAR ECONOMY

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Winter 2026

[View offerings for Winter 2026 in Visual Schedule Builder.](#)

Description

Fundamentals of life cycle assessment (LCA) for civil engineering, focusing on the integration with circular economy and life cycle costing. Circular economy and LCA methods standardized by International Organization for Standardization. Integration of environmental metrics into life cycle costing. Combining LCA, circular economy and life cycle costing methods. Application of LCA in environmental and economic decision-making related to specific civil engineering projects, focused on topics such as buildings and transportation.

- Prerequisites: FACC 300 and CIVE 324 or Permission of the instructor
- Restrictions: Not open to students who have taken or are taking SEAD 520.

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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