

CIVE 317. STRUCTURAL ENGINEERING 1.

Credits: 3

Offered by: Civil Engineering (Faculty of Engineering)

Terms offered: Fall 2025

[View offerings for Fall 2025 in Visual Schedule Builder.](#)

Description

The design process; loads, sources, classifications, load factors, combinations; limit states design; structural systems and foundations; choice of materials; virtual work and energy methods; statical and kinematic indeterminacy; slope deflection method, introduction to matrix methods; analysis of indeterminate systems; force envelopes.

- (3-2-4)
- Prerequisites: CIVE 202, CIVE 207 and MECH 289 (formerly MECH 290).

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