

C E 412: Structural Design I

CIVIL ENGINEERING

Design of steel and concrete structural members according to ACI and AISC LRFD specifications; reinforced concrete and rolled steel sections subject to axial force, flexure, shear, torsion, and combined loading; fatigue and fracture; introduction to connections.

3 Credits

Prerequisites

- Pre-Requisite: 24 Earned Hours

One-way corequisites

- [C E 411: Structural Analysis](#)

Cross-listed Courses

- [M E 422: Structural Design I](#)

Instruction Type(s)

- Lecture: Lecture for C E 412

Subject Areas

- [Civil Engineering, General](#)
- [Structural Engineering](#)

Related Areas

- [Civil Engineering, Other](#)
- [Geotechnical and Geoenvironmental Engineering](#)
- [Transportation and Highway Engineering](#)
- [Water Resources Engineering](#)

