

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.

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

