

C E 412: Design of Concrete Structures CIVIL ENGINEERING

Srength analysis and design of reinforced concrete structural elements using ACI requirements. Retangular and T sections in bending. Shear reinforcement in beams. Short columns. Footings and retaining walls. Introduction to analysis and design of steel structural elements.

Prerequisites

- C E 311: Structural Analysis \$target.descriptions.MinimumGrade\$
- Pre-Requisite: 24 Earned Hours

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

