C E 412: Design of Concrete Structures

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

3 Credits

One-way corequisites
- C E 311: Structural Analysis

Cross-listed Courses
- M E 422: Structural Design I

Instruction Type(s)
- Lecture: Lecture for C E 412

Course Fee(s)
Civil Engineering 2
- $100.00 when booked for:
  » Fall, First Fall, Second Fall, Winter, Spring, First Spring, Second Spring 2017-18

Subject Areas
- Civil Engineering, General
- Structural Engineering

Related Areas
- Civil Engineering, General
- Geotechnical and Geoenvironmental Engineering
- Structural Engineering
- Transportation and Highway Engineering
- Water Resources Engineering