**C E 412: Design of Concrete Structures**

**Civil Engineering**

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

**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

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http://catalog.olemiss.edu/2019/spring/undergraduate/engineering/civil-engineering/c-e-412