

C E 412: Design of Concrete Structures

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.

3 Credits

Prerequisites

Pre-Requisite: 24 Earned Hours

One-way corequisites

<u>C E 311: Structural Analysis</u>

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

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