

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 411: Structural Analysis</u>

Cross-listed Courses

• M E 422: Structural Design I

Instruction Type(s)

• Lecture: Lecture for C E 412

Subject Areas

- <u>Civil Engineering, General</u>
- <u>Structural Engineering</u>

Related Areas

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- <u>Water Resources Engineering</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

