

C E 455: Civil Engineering Design I

Initial course in capstone design sequence. Individual and group experience in identifying objectives, major activities affecting cost/schedule, and roles of private and public organizations in civil engineering projects; introduction to regional and national building code provisions for access, egress, and structural safety; creativity in the design process and selection of competitive alternatives; preliminary site planning and facility design; preliminary group planning of a significant civil engineering project. Introduction to the use of computational tools for analysis, design, and visualization.

2 Credits

- Prerequisites
- Pre-Requisite: 24 Earned Hours

One-way corequisites

- <u>C E 412: Design of Concrete Structures</u>
- <u>C E 433: Foundation Engineering</u>
- C E 481: Transportation Engineering I
- C E 472: Water Resources Engineering

Instruction Type(s)

Lecture: Lecture for C E 455

Course Fee(s)

- Civil Engineering 3
- \$200.00

Subject Areas

<u>Civil Engineering, General</u>

Related Areas

- <u>Civil Engineering, Other</u>
- Geotechnical and Geoenvironmental Engineering
- <u>Structural Engineering</u>
- 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.

