

M E 421: Structural Analysis Mechanical Engineering

Classification and analysis of simple structural systems; ASCE-7 provisions for minimum loads; virtual work and virtual displacement methods; introduction to flexibility and displacement matrix methods; stiffness matrices for rod, frame, and slab elements; computational tools.

3 Credits

Prerequisites

- Engr 312: Mechanics of Materials
- Pre-Requisite: 24 Earned Hours

Cross-listed Courses

<u>C E 421: Matrix Analysis of Structures</u>

Subject Areas

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

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.

