

C E 511: Structural Dynamics

Response of linear SDOF and MDOF systems. Application to frame vibration in complex structures; introduction to continuous systems; modal analysis for steady-state and transient response under dynamic loads in various applications; computer simulation.

3 Credits

Prerequisites

- <u>Math 353: Elementary Differential Equations</u>
- Pre-requisite: C E 411 or Graduate Standing
- C E 421 or C E 311

Instruction Type(s)

• Lecture: Lecture for C E 511

Subject Areas

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

Related Areas

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

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.

