

# **C E 421: Matrix Analysis of Structures** <u>Civil Engineering</u>

Virtual work and virtual displacement methods; introduction to the flexability and displacement matrix methods; stiffness matices for rod, frame, and slab elements; introduction to stuctural dynamics and elastic stability; computational tools.

#### 3 Credits

#### Prerequisites

- <u>C E 311: Structural Analysis</u>
- Pre-Requisite: 24 Earned Hours

## **Cross-listed Courses**

• M E 421: Structural Analysis

## Instruction Type(s)

• Lecture: Lecture for C E 421

# **Subject Areas**

- Civil Engineering, General
- <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.

