

# C E 421: Matrix Analysis of Structures CIVIL ENGINEERING

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**

- C E 311: Structural Analysis
- 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
- Structural Engineering

#### **Related Areas**

- Civil Engineering, Other
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- Water Resources Engineering

