

## **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

#### Instruction Type(s)

• Lecture: Lecture for C E 421

### **Subject Areas**

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

#### **Related Areas**

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

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