

## **C E 311: Structural Analysis**

### **Civil Engineering**

Classification and analysis of structure systems: structural analysis of trusses, beams, and frames using classical geometry and energy methods. Influence lines and column buckling. Introduction to stiffness matrices for rods, beams, and frames. Computer applications.

3 Credits

#### **Prerequisites**

- [Engr 312: Mechanics of Materials](#)
- [C E 310: Introduction to Structural Mechanics](#)
- Pre-Requisite: 24 Earned Hours

#### **Instruction Type(s)**

- Lecture: Lecture for C E 311

#### **Course Fee(s)**

##### **Civil Engineering 2**

- \$100.00

#### **Subject Areas**

- [Civil Engineering, General](#)
- [Structural Engineering](#)

#### **Related Areas**

- [Civil Engineering, Other](#)
- [Geotechnical and Geoenvironmental Engineering](#)
- [Transportation and Highway Engineering](#)
- [Water Resources Engineering](#)

