

## 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
- <u>C E 310: Introduction to Structural Mechanics</u>
- Pre-Requisite: 24 Earned Hours

# Instruction Type(s)

Lecture: Lecture for C E 311

### **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

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