

# C E 311: Structural Analysis

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
- Pre-Requisite: 24 Earned Hours

## Instruction Type(s)

• Lecture: Lecture for C E 311

#### Course Fee(s)

- Civil Engineering 2
- \$100.00

# **Subject Areas**

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

## **Related Areas**

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

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