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 $target.descriptions.MinimumGrade$
- C E 310: Introduction to Structural Mechanics $target.descriptions.MinimumGrade$
- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

- Lecture: Lecture for C E 311

Subject Areas

- Civil Engineering, General
- Structural Engineering

Related Areas

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