

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\$
- 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