

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

Subject Areas

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

Related Areas

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

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