

M E 421: Structural Analysis Mechanical Engineering

Classification and analysis of simple structural systems; ASCE-7 provisions for minimum loads; virtual work and virtual displacement methods; introduction to flexibility and displacement matrix methods; stiffness matrices for rod, frame, and slab elements; computational tools.

3 Credits

Prerequisites

- Engr 312: Mechanics of Materials
- Pre-Requisite: 24 Earned Hours

Cross-listed Courses

• C E 421: Matrix Analysis of Structures

Subject Areas

- Mechanical Engineering
- Civil Engineering, General

