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