C E 421: Matrix Analysis of Structures
Civil Engineering
Virtual work and virtual displacement methods; introduction to the flexability and displacement matrix methods; stiffness matrices for rod, frame, and slab elements; introduction to structural dynamics and elastic stability; computational tools.
3 Credits
Prerequisites
- C E 311: Structural Analysis
- Pre-Requisite: 24 Earned Hours
Cross-listed Courses
- M E 421: Structural Analysis
Instruction Type(s)
- Lecture: Lecture for C E 421
Subject Areas
- Civil Engineering, General
- Structural Engineering
Related Areas
- Geotechnical and Geoenvironmental Engineering
- Transportation and Highway Engineering
- Water Resources Engineering