C E 521: Advanced Mechanics of Materials

**Civil Engineering**

Classical methods for second-order analysis of deformable bodies; failure criteria; torsion of thin walled sections; unsymmetrical bending of straight beams; curved beams; beam on elastic foundation; plates and shells; buckling.

3 Credits

**Prerequisites**
- Math 353: Elementary Differential Equations
- Engr 312: Mechanics of Materials
- Prerequisite: Junior standing (60 hr).

**Instruction Type(s)**
- Lecture: Lecture for C E 521

**Subject Areas**
- Civil Engineering, General
- Engineering Mechanics