

## **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](#)

