

## 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](#) \$target.descriptions.MinimumGrade\$
- [Engr 312: Mechanics of Materials](#) \$target.descriptions.MinimumGrade\$
- Prerequisite: Junior standing (60 hr).

### Instruction Type(s)

- Lecture: Lecture for C E 521

### Subject Areas

- [Civil Engineering, General](#)
- [Engineering Mechanics](#)

