

# C E 521: Advanced Mechanics of Materials

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

## Instruction Type(s) Lecture: Lecture for C E 521

#### **Subject Areas**

- Civil Engineering, General
- Engineering Mechanics

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