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
- Prerequiste: Junior standing (60 hr).

Instruction Type(s)

- Lecture: Lecture for C E 521

Subject Areas

- Civil Engineering, General
- Engineering Mechanics