

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 \$target.descriptions.MinimumGrade\$
- Engr 312: Mechanics of Materials \$target.descriptions.MinimumGrade\$
- Prerequiste: Junior standing (60 hr).

Instruction Type(s)

Lecture: Lecture for C E 521

Subject Areas

- <u>Civil Engineering, General</u>
- Engineering Mechanics

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