

## **C E 521: Advanced Mechanics of Materials** <u>Civil Engineering</u>

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

- <u>Math 353: Elementary Differential Equations</u>
- 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

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