

Lecture 5 - Exam 1 Review

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## schedule

- 1 Sep - Exam Review, Homework 2 Due
- 3 Sep - Axial Load (not on Exam 1)
- 4 Sep - Project 1 Due
- 8 Sep - Exam 1 (online, no recitation this day)
- 10 Sep - Axial Load

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## exam

- 4 questions
- 50 minutes, must take exam on 8 Sep and complete in one sitting
- open book/note
- Follow directions

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## topics

- Chapter 1 - stress
  - Equilibrium
  - Internal forces
  - Normal stress
  - Shear stress
  - Allowable stress, limit state design

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- Chapter 2 - strain
  - Deformation
  - Normal strain
  - Shear strain

- Chapter 3 - mechanical behavior
  - Stress-strain
  - Strain energy
  - Poisson's ratio
  - Shear stress-strain