

Lecture 6 - Exam 1 Review

Dr. Nicholas Smith

Wichita State University, Department of Aerospace Engineering

17 February, 2021

1

schedule

- 17 Feb - Exam Review
- 19 Feb - Homework 2 Due, Homework 1 Self-grade Due
- 22 Feb - Exam 1
- 26 Feb - Project 1 Due

2

exam

exam

- 5 questions
- Follow directions

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

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

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