



THE OHIO STATE UNIVERSITY
COLLEGE OF ENGINEERING

Mechanical Behavior of Crystalline Solids at High Temperatures

MATSCEN 5761.72

Credit Hours:

1.50 - 1.50

Course Components:

Lecture

Course Description:

Strength and deformation mechanisms in crystalline solids at high temperatures.

Prerequisites and Co-requisites:

Prereq: 3261 or 3332; or Grad standing; or permission of instructor.

Course Goals / Objectives:

- Quantitative survey of the deformation characteristics of crystalline solids at higher temp, focusing on time and temp dependent deformation mechanisms, and microstructure-based approaches for designing materials for high temperature service.