

## **M E 531: Mechanical Behavior of Engr Materials**

### **MECHANICAL ENGINEERING**

The dislocation concept of plastic deformation is introduced and used to explain the relationships between microstructure and mechanical properties. The phenomena of strain hardening, creep, fatigue, and fracture are discussed in detail.

3 Credits

### **Prerequisites**

- Pre-requisite: Engr 313 or Graduate Standing
- Prerequisite: Junior standing (60 hr).

### **Instruction Type(s)**

- Lecture: Lecture for M E 531

### **Subject Areas**

- [Mechanical Engineering](#)
- [Materials Science](#)

