

## **M E 530: Physical Metallurgy**

### **MECHANICAL ENGINEERING**

Application of chemical and microstructural control for understanding material behavior. Topics include a survey of relevant areas of thermodynamics and kinetics, phase diagrams, diffusions, solidifications, solid state transformations, recovery, recrystallization, and grain growth.

3 Credits

### **Prerequisites**

- Pre-requisite: Engr 313 or Graduate Standing

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

- Lecture: Lecture for M E 530

### **Subject Areas**

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

