

## **M E 533: Electronic Properties of Materials**

### **[Mechanical Engineering](#)**

Theories of electron/atom interactions and electron transport are examined to explain the electronic properties of solids. Junctions, magnetic and optical properties are also discussed with special emphasis on semiconducting materials.

3 Credits

### **Prerequisites**

- Prerequisite: Junior standing (60 hr).

### **Cross-listed Courses**

- [El E 533: Electronic Properties of Materials](#)

### **Subject Areas**

- [Mechanical Engineering](#)
- [Electrical and Electronics Engineering](#)
- [Materials Science](#)

