

Table of contents provided by Syndetics

- **1 Introduction to Materials Science and Engineering**
- **2 Atomic Structure and Bonding**
- **3 Crystal and Amorphous Structures in Materials**
- **4 Solidification, Crystalline Imperfections**
- **5 Thermally Activated Processes and Diffusion in Solids**
- **6 Mechanical Properties of Metals I**
- **7 Mechanical Properties of Metals II**
- **8 Phase Diagrams**
- **9 Engineering Alloys**
- **10 Polymeric Materials**
- **11 Ceramics**
- **12 Composite Materials**
- **13 Corrosion**
- **14 Electrical Properties of Materials**
- **15 Optical Properties and Superconductive Materials**
- **16 Magnetic Properties**