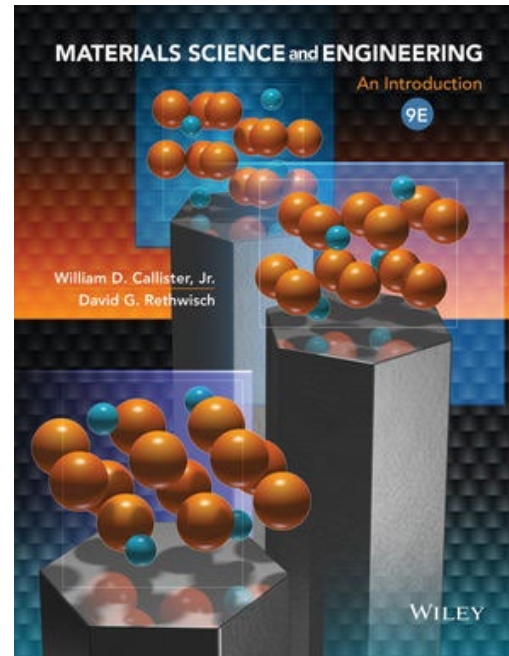


Course Information

- **Textbook**

**Materials Science and Engineering: An Introduction, 10th Edition
(Electronic version) or earlier version**

William D. Callister, Jr., David G. Rethwisch



Tentative Schedule

- **Lec 1. Introduction** (ch1, ch2)
- **Lec 2-9 Macroscopic properties of materials** (ch6,ch8,ch17,ch18,ch19,ch20,ch21)
- **Lec 10,12,13,14,16 Crystalline structure** (ch3,ch4)
- **Lec 11 Midterm 1 (Oct.23) (Open book, posted online at 2pm and collected at 3pm)**
- **Lec 17 Diffusion in a solid** (ch5)
- **Lec 18-21 Dislocation and plastic deformation** (ch7)
- **Lec 19 Holiday (Nov.11)**
- **Lec 22-25 Phase Diagram** (ch9)
- **Lec 26 Holiday (Nov.27)**
- **Lec 26,27 Ceramics** (ch12)
- **Lec 28,29 Polymer** (ch14)
- **Lec 30,31 Composites** (ch16)
- **Final exam Dec.16 (posted online at 2:30pm and collected at 6pm, open book)**