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)