Chapter 22 Study Guide

Prior to lecture:

- 1. For review read chapter 9 section 2.
- 2. Read Ch. 22 in textbook
- 3. Work through example problem 22.1, 22.2, and 22.4.
- 4. Answer conceptual questions 3, 4, 8, 10, 11 and 12 on page 808 of the text.
- 5. Define the following terms:
 - a. Magnetic poles
 - b. Ferromagnets
 - c. Electromagnets
 - d. Magnetic domains
 - e. Curie temperature
 - f. Magnetic field
 - g. Lorentz force
 - h. Right Hand Rules
 - i. Hall effect
 - j. Ampere's law
 - k. Solenoid

After the lecture

- 1. Review notes from lecture.
- 2. Redo all example problems from lecture.
- 3. Reread text
- 4. Work through example problem 22.6 and 22.7.
- 5. Redo all recitation worksheet problems
- 6. Answer conceptual questions 14, 15, 18, 22, and 25 of the text.
- 7. Complete homework for chapter 22
- 8. For extra practice, try the following problems from chapter 22 of the textbook: 5, 8, 15, 18, 20, 22, 24, 26, 28, 40, 42, 50, 51, 54, 58, 60, 61, 74, and 82.