

# PHYS 1444 – Section 004

## Review #1

Wednesday Feb. 28, 2007

Dr. **Andrew Brandt**

1. Test Monday Mar. 5 on Ch 21--25



# Grading

- Exams: 50%
  - Best two of three exams (2 midterms + final)
  - Comprehensive final
  - Exams will be curved if necessary
  - No makeup tests
- Homework: 20% (no late homework)
- Pop quizzes 10%
- Lab score: 20%



# Electric Charge and Conservation

- Two types of electric charge
  - Like charges repel while unlike charges attract
- The **net amount of electric charge produced in any process is ZERO!!**
- When a positively charged metal object is brought close to an uncharged metal object
  - If the objects touch each other, the free charges flow until an equilibrium state is reached (charges flow in a conductor.)
  - If the objects are close, the free electrons in the neutral object still move within the metal toward the charged object leaving the opposite end of the object positively charged.(induced charge)

