Lecture 12

Pre-Lecture Preparation (due within the first 5 minutes of class):

- Read pages 782 – 789 in the textbook (Serway 9th edition) and do the following:
  1) Quick Quizzes: 26.3 – 26.24
  2) Book Objective Questions (p. 799): 5, 7, and 8
  3) Book Problems (p. 801): 13 and 14

Goals for the Lecture:

1) Be able to calculate the capacitance of a capacitor from Gauss's Law and the definition of capacitance (Q=CV)
2) Be able to find equivalent capacitance of capacitors in series and parallel circuits
3) Be able to calculate the energy stored in a capacitor

Post-Lecture Study Guide (I do not collect this):

Review the worksheets or other lecture material within 24 hours (preferably the same day as the lecture) to reinforce the ideas. Review the pre-lecture questions to make sure you understand them.

Do problems:

Ch 26: Conceptual Questions: 1

Ch 26: Objective Questions: 10 and 11

Ch 26: Problems: 19

Continue with the additional recommended study problems from chapter 26