

Lecture 11

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

- Read pages 777 – 780 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes: 26.1 – 26.2
 - 2) Book Objective Questions (p. 799): none
 - 3) Book Problems (p. 801): 7, 9

Goals for the Lecture:

- 1) Understand what capacitance is and how to calculate it for different configurations of conductors (parallel plates, coaxial cylindrical conductors, concentric spherical conductors)
- 2) Understand how electric field, electric potential, and surface charge density are all important in solving capacitor problems

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:

Study for your exam

Continue with the additional recommended study problems from chapter 26