

Lecture 4

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

- Read pages 725 – 730 in the textbook (Serway 9th edition) and do the following:
 - 1) Quick Quizzes 24.1 – 24.2
 - 2) Book Objective Questions (p. 738): 1 and 4
 - 3) Book Problems (p. 740): 1

Goals for the Lecture:

- 1) Understand electric flux and be able to calculate electric flux through a surface
- 2) Understand Gauss's Law and how it ties the electric flux to the charge enclosed

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 24: Conceptual Questions: 2

Ch 24: Objective Questions: 10

Ch 24: Problems: 4 and 8

Continue with the additional recommended study problems from chapter 24