2012 Fall Semester   EE306001 Probability

Homework Assignment #1

Instructor: Professor Chung-Chin Lu

Basic Problems:

   The basic problems are for you to prepare the quiz on the Monday class.   Our first quiz will be held on 09/24.   Please do not turn in their solutions.

pp. 50-51:   Problems 1, 5, 10 (you have to specify the sample space S,

the σ-algebra and the probability function P).

pp. 54-55:   Theoretical Exercise   4, 7. (Note that in the textbook, AB

means A∩B, the intersection of sets A and B.)

p. 56:   Self-test Problems and Exercise   6, 8. (The solutions on page
465 are concise.   In each problem, you have to specify the

sample space S, the σ-algebra F and the probability function P.)

Developed Problems:

   Please turn in your solutions on September 26th in class. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

p. 51-53:   Problems 15, 27, 37. (For each of the three problems, you

have to specify the sample space S, the σ-algebra F and

the probability function P.)

p. 56:   Theoretical Exercise   20.