

## Homework Assignment #2

Instructor: Professor Chung-Chin Lu

### **Basic Problems:**

The basic problems are for you to prepare the quiz on the Monday class. Please do not turn in their solutions.

pp. 53-54: Problems 33, 47, 52. (you have to specify the sample space  $S$ , the  $\sigma$ -algebra and the probability function  $P$ ).

p. 57: Self-test Problems and Exercises 14, 15, 19. (The solution for 2.19 on page 468 is concise. You have to specify the sample space  $S$ , the  $\sigma$ -algebra  $F$  and the probability function  $P$ .)

### **Developed Problems:**

Please turn in your solutions on **October 3rd** in class. The TAs will check the similarity between homework solutions to detect improper conduct such as plagiarism.

pp. 52-53: Problems 25, 30, 50. (For each of the three problems, you have to specify the sample space  $S$ , the  $\sigma$ -algebra  $F$  and the probability function  $P$ .)

p. 55: Theoretical Exercise 19. (You have to specify the sample space  $S$ , the  $\sigma$ -algebra  $F$  and the probability function  $P$ .)