Reading Assignment: Read Chapter 1 and Sections 1 and 2 of Chapter 2.

Things to practice on your own:
- Making up sets, using proper notation, and applying set operations.
- Making models of random experiments.
- Specifying events as sets.

Please review the collaboration policy stated in the first day handout.

Problems from Leon-Garcia's book

1. 1-11, p. 22. See Problems 1-7 and 1-9 for definitions of sample mean and sample variance.

2. 2-1, p. 73
   plus: (d) Find a probability law for this experiment. (Hint: It is enough to assign a probability to each element of the sample space.)

3. 2-3, p. 73
   plus: (d) Find a probability law for this experiment.

4. 2-4, p. 73
   plus: (e) Find a probability law for this experiment.

5. 2-6, p. 73

6. 2-7, p. 73

7. 2-15, p. 74

8. Find a probability model for the experiment described in Prob. 2-17, p. 75.
   Then do Problem 2-17

9. 2-19, p. 75

10. 2-29, p. 76

**Homework due and late policy:** (for this and all other homework)

- Homework due on a certain date must be turned in before the lecture starts.
- Homework turned in after the lecture starts, and before the start of the next lecture will have 25% deducted from its score.
- Homework turned in after the next lecture starts, but before the start of the lecture one week from the original due date will have 50% deducted.
- Homework more than one week late will not be accepted.
- In computing the contribution of the homework to the course grade, the lowest homework grade will be dropped.