

Probability
Weeks 1 and 2
August 28 through September 6

Date	Topic
August 28	Introduction and properties of probabilities
August 30	Counting
September 4	Conditional probability
September 6	Independence
September 11	Discrete random variables

Homework Assignments

1. Due Thursday, August 30

Read Sections 1.1 through 1.3 in Chapter 1

Required exercises

Exercises 1.1-2 and 1.1-4 on page 10

Optional exercises

All other exercises in Section 1.1

2. Due Tuesday, September 4

Read Sections 1.4 through 1.6 in Chapter 1

Required exercises

Exercises 1.2-2, 1.2-4, 1.2-6, and 1.2-12 on pages 20 and 21

Optional exercises

All other exercises in Section 1.2

3. Due Thursday, September 6

Review Chapter 1

Required exercises

Exercises 1.3-2, 1.3-4, 1.3-6, 1.3-8, 1.3-10, 1.3-12, and 1.3-20 on pages 30 through 32

Optional exercises

All other exercises in Section 1.3

4. Due Tuesday, September 11

Read Sections 2.1 and 2.2

Required exercises

Exercises 1.4-2, 1.4-4, 1.4-6, 1.4-8, 1.4-12, 1.4-14, and 1.4-18 on pages 40 through 43

Optional exercises

All other exercises in Section 1.4