
**Sept. 21:** Populations, samples, surveys, data summary.
Homework 1 is assigned.
Reading: Chapters 1, 2.

**Sept. 28:** Probabilities, conditional probabilities, independence, random variables, distributions.
Homework 1 is due.
Homework 2 is assigned.
Reading: Chapters 3 and 4.

**Oct. 5:** The binomial and normal distributions, the distribution of the sample mean.
Homework 2 is due.
Homework 3 is assigned.
Reading: 5.1, 5.2, 5.4, and chapter 6.

**Oct. 12:** No class.

**Oct 19:** Confidence interval for mean and proportion, sample size, the t-distribution, review
Homework 3 is due.
Homework 4 is assigned
Reading: Chapter 7

**Oct. 26:** MIDTERM EXAM

**Nov. 2:** Hypothesis testing for mean and proportion, p-values, type I and type II errors.
Homework 4 is due.
Homework 5 is assigned.
Reading: Chapter 8

**Nov. 9:** Simple linear regression, correlation, inferences about the slope.
Homework 5 is due.
Homework 6 is assigned.
Reading: Chapter 11

**Nov. 16:** Multiple regression.
Homework 6 is due.
Homework 7 is assigned.
Reading: Parts of Chapter 12 to be assigned in class.

Nov. 23: No class.

Nov. 30: Multiple regression, review
Homework 7 is due.
Homework 8 is assigned.
Reading: Parts of Chapter 13 to be assigned in class.

Dec. 7: FINAL EXAM.
Homework 8 is due.

Course grade:
Midterm exam: 40%
Final exam: 40%
Homeworks: 20%