

Tentative Schedule*

Monday 1/15 Holiday	Wednesday 1/17 Syllabus, Intro, Survey
Monday 1/22 Chapter 1	Wednesday 1/24 Chapter 2
Monday 1/29 Section 3.1	Wednesday 1/31 Sections 3.2, 3.3
Monday 2/5 Sections 7.1, 7.2	Wednesday 2/7 More Chapter 7
Monday 2/12 Chapter 4	Wednesday 2/14 ❤️ More Chapter 4
Monday 2/19 Holiday	Wednesday 2/21 Review and Exam #1
Monday 2/26 Sections 5.1, 5.2	Wednesday 2/28 More Sections 5.1, 5.2
Monday 3/4 Section 5.3	Wednesday 3/6 Section 5.4

SPRING BREAK

Monday 3/18 Chapter 6	Wednesday 3/20 Section 7.5
Monday 3/25 Section 7.3	Wednesday 3/27 Review and Exam #2
Monday 4/1 Holiday	Wednesday 4/3 Sections 8.1, 8.2
Monday 4/8 Sections 9.1-9.3	Wednesday 4/10 More Section 9.3
Monday 4/15 Sections 10.3 and 11.3	Wednesday 4/17 Sections 10.1 and 11.1
Monday 4/22 Sections 7.4, 8.3	Wednesday 4/24 Section 9.4
Monday 4/29 Sections 10.2, 11.2	Wednesday 5/1 Review and Exam #3
Monday 5/6 Chapter 12	Wednesday 5/8 More Chapter 12
Monday 5/13 FINAL 8 AM – 10 AM	

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* Legend on page two also

In part 3 of Stats (4/3 to 4/29) we study many types of problems.

First, the focus is on quantitative (numerical) variables. These problems use means and standard deviations.

Then, qualitative (categorical) variables are covered. These problems use proportions.

For all of these problems, we will be using inferential statistics, that is, using a sample to make predictions about a population.

In summary, we go through chapters 8–11 twice, once for each variable type. Chapter 8 covers confidence intervals, chapter 9 covers hypothesis tests, and chapter 10 is about 2-sample confidence interval problems, chapter 11 is 2-sample hypothesis test problems.

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Legend

Chapter 1: Basic Ideas

Chapter 2: Graphs

Section 3.1: Measures of Center

Section 3.2: Measures of Dispersion

Section 3.3: Measures of Position

Chapter 4: Linear Correlation

Sections 5.1 and 5.2: Basic Probability Rules

Section 5.3: Conditional Probability

Section 5.4: Counting

Chapter 6: Mostly the Binomial Distribution

Sections 7.1 and 7.2, Normal Distribution

Section 7.3 Distribution of Sample Means

Section 7.4 Distribution of Sample Proportions

Section 7.5 Normal Approximation to Binomial Distribution

Chapter 8: One-sample Confidence Intervals

Chapter 9: One-sample Hypothesis Tests

Chapter 10: Two-sample Confidence Intervals

Chapter 11: Two-sample Hypothesis Tests

Chapter 12: Chi-square tests