

**MATH 141: Introduction to Probability and Statistics, Fall 2021**

**Tentative Topic Schedule**

**Textbook:** [OpenIntro: Introduction to Modern Statistics \(2021\)](#) by Mine Çetinkaya-Rundel and Johanna Hardin, First Edition. The textbook is free and open-source.

<b>Topics and Reading Assignments</b>			
<b>Week</b>	<b>Dates</b>	<b>Topic</b>	<b>Chapter</b>
1	8/30 – 9/3	Class Introductions, R, and Types of Data	1, 2
2	9/7 – 9/10	Natures of Data & Data Visualizations	4, 5
3	9/13 – 9/17	Introduction to Linear Regression	7, 8
4	9/20 – 9/24	Introduction to Probability	-
5	9/27 – 10/1	Hypothesis Testing & Confidence Intervals Part 1	11, 14
6	10/4 – 10/8	Hypothesis Testing & Confidence Intervals Part 2	12, 13
7	10/11 – 10/15	Review (10/11) & Midterm (Take-Home 10/13)	-
8	10/18 – 10/22	Fall Break!	-
9	10/25 – 10/29	Conditional Probability	-
10	11/1 – 11/5	Statistical Models	13
11	11/8 – 11/12	Inference for Proportions	16, 17
12	11/15 – 11/19	Inference for Two-Way Tables	18, 19
13	11/22 – 11/24	Inference for Means	20, 21, 22
14	11/29 – 12/3	Inference for Linear Regression	24, 25
15	12/6 – 12/8	Review & Project Period	-
16	12/13 – 12/16	Final Exam (Take-Home 12/13-12/14)	-