Course Schedule (abbreviated).

STA 2023

Day/ Date	Text Chapter	Topic and Learning Outcomes	Activities
Day 1/ 10/16	1.1 1.2 1.3	Orientation, Introduction, Preview and Statistical Thinking	**Text** 1.1/1.2 Statistical Thinking and Critical Thinking 1.3 Types of Data Read 1.1/1.2 p. 3 – 11 Read 1.3 p. 15 - 20
Day 2 10/18	2.1 2.2 2.3 2.4	Frequency Distributions Histograms Stem and Leaf Plots	**Text** 2.1/2.2 Frequency Distributions Read pages 43 - 50 in the textbook. 2.3 Histograms 2.3: Read pages 54 - 58 in the textbook. 2.4 Graphs that Enlighten and Graphs that Deceive 2.4: Read pages 63 (Stemplots only) in the textbook.
Day 3 10/23	**3.1** **3.2** 3.3 3.4	Measures of Central Tendency Measures of Variation Measures of Relative Standing	**Text** 3.2 Measures of Center Read pages 79 - 90 in textbook. 3.3 Measures of Variation Read pages 96-104 in textbook. 3.4 Measures of Relative Standing & Boxplots Read pages 112-118 in textbook.
Day 4 10/25	4.1 4.2 4.3 4.4 4.5 4.6	Basic Concepts of Probability Addition Rule The Multiplication Rules: Basics Multiplication Rule: Complements and Conditional Probability Counting	**Text** 4.2 Basic Concepts of Probability Read pages 132 - 144 in textbook. 4.3 Addition Rule Read pages 149 - 152 in textbook. 4.4 Multiplication Rule: Basics Read pages 156-163 in textbook. Read pages 168 - 171. 4.6: Counting Read pages 175-180 in textbook.
Day 5 10/30		**Test 1**	
Day 6 11/1	5.1 5.2 5.3 5.4	Random Variables Binomial Probability Distributions Parameters for the Binomial Distribution	**Text** 5.2 Probability Distributions Read pages 195 - 206 in textbook. 5.3 Binomial Probability Distributions Read pages 210 - 217 in textbook. 5.4 Parameters for Binomial Distributions Read pages 223-225 in textbook.

Day 7 11/06	6.2 6.3 6.5	The Standard Normal Distribution Applications of the Normal Distribution The Central Limit Theorem	**Text** 6.2: The Standard Normal Distribution Read pages 237 - 249 in textbook. 6.3 Applications of Normal Distributions Read pages 270-276 in textbook. 6.5 Central Limit Theorem Read pages 278 - 285 in textbook.
Day 8 11/08	7.1 7.2 7.3	Estimating a Population Proportion Estimating a Population Mean: σ known Estimating a Population Mean: σ unknown	**Text** 7.2 Estimating a Population Proportion Read pages 317-331 in textbook. 7.3 Estimating a Population Mean Read pages 347-349 in textbook.
Day 9 11/13		**Test 2**	
Day 10 11/15 **Day 11** 11/20	**8.1** **8.2** **8.3** **8.4**	Basics of Hypothesis Testing Testing a Claim about a Proportion Testing a Claim about a Mean Testing a Claim about a Mean: σ Not Known	**Text** 8.2 Basics of Hypothesis Testing Read pages 375-388 in the textbook (Focus on p value method throughout chapter 8.) 8.3 Testing a Claim About a Proportion Read pages 393 – 401 in the textbook. 8.4 Testing a Claim About a Mean: σ Known Read pages 406 – 413 in the textbook.
11/22		**Thanksgiving Day**	
Day 12 11/27	9.3 9.4	Inferences about Two Means: Independent Samples. Inferences from Dependent Samples	**Text** 9.3: Two Means: Independent Samples Read pages 447 – 456 in the textbook. (Skip confidence intervals.) 9.4: Two Dependent Samples (Matched Pairs) Read pages 461-467 (skip confidence intervals) in the textbook. 11.3 Contingency Tables Read pages 547 – 552 (skip tests of homogeneity) in the textbook.
Day 13 11/29		**Test # 3**	
Day 14 12/4	**10.2** **10.3**	Correlation and Regression	**Text** 10.2 Correlation Read pages 481 – 496 in the textbook. 10.3 Regression Read pages 503 – 509 in the textbook.
Day 15 12/06		**Review for Final Exam**	
Day 16 12/11		**Final Exam**	

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