

Chapter/Section	Week	Topics
1.1-1.2	1 Aug 26-Sept 1	<ul style="list-style-type: none"> <li>• Practical applications of statistics</li> <li>• Graphical and Numerical summaries of data</li> </ul>
1.3, 2.1	2 Sept 2-Sept 8	<ul style="list-style-type: none"> <li>• Creating and interpreting graphical displays</li> <li>• Fundamentals of probability</li> </ul>
2.3	3 Sept 9-Sept 15	<ul style="list-style-type: none"> <li>• Computing conditional probability</li> <li>• Independent events</li> <li>• Bayes' Theorem</li> </ul>
2.4	4 Sept 16-Sept 22	<ul style="list-style-type: none"> <li>• Discrete random variables</li> <li>• Continuous random variables</li> <li>• Expectation operator</li> <li>• Means and variances of random variables</li> </ul>
2.5, 4.1-4.2	5 Sept 23-Sept 29	<ul style="list-style-type: none"> <li>• Linear combinations of random variables</li> <li>• Sample mean as a linear combination</li> <li>• Bernoulli and Binomial random variables</li> </ul>
4.5	6 Sept 30-Oct 6	<ul style="list-style-type: none"> <li>• Normal random variables</li> <li>• Approximating Binomial probabilities with normal distributions</li> </ul>
4.9, 4.11 Exam # 1	7 Oct 7-Oct 13 (Oct 13-14)	<ul style="list-style-type: none"> <li>• Point estimation</li> <li>• Sampling distributions</li> <li>• Ch 1 sections 1,2 3</li> <li>• Ch 2 sections 1,2,3,4, and 5</li> <li>• Ch 4 sections 1,2, and 5</li> </ul>
5.1-5.3	8 Oct 14-Oct 20	<ul style="list-style-type: none"> <li>• Large sample confidence intervals, construction and interpretation</li> <li>• Upper and lower confidence bounds, construction and interpretation</li> <li>• Small sample confidence intervals and upper and lower bounds</li> </ul>
6.1-6.4	9 Oct 21-Oct 27	One sample hypothesis tests for population means and population proportions
5.4-5.5, 6.5-6.6	10 Oct 28-Nov 3	<ul style="list-style-type: none"> <li>• Two-sample confidence intervals and two-sample hypothesis tests for the difference between population means and population proportions</li> </ul>
5.6-5.7, 6.7, 6.10	11 Nov 4-Nov 10	<ul style="list-style-type: none"> <li>• Confidence intervals and hypothesis tests for the difference between means using paired samples</li> </ul>

		<ul style="list-style-type: none"> <li>Confidence intervals and hypothesis tests for the variance and standard deviation of a normal distribution</li> </ul>
<b>6.11-6.12</b>	12 Nov 11-Nov 17	<ul style="list-style-type: none"> <li>Fixed level hypothesis testing</li> <li>Type I and Type II errors</li> <li>Power of a test</li> </ul>
<b>Exam # 2</b>	(Nov 17-18)	<ul style="list-style-type: none"> <li>Ch 4 sections 9, 11</li> <li>Ch 5 sections 1, 2, 3, 4, 5, 6, and 7.</li> <li>Ch 6 sections 1, 2, 3, 4, 5, 6, 7, and 10.</li> </ul>
<b>7.1-7.2</b>	13 Nov 18-Nov 24	<ul style="list-style-type: none"> <li>Scatterplots</li> <li>Correlation</li> <li>Least squares regression</li> </ul>
<b>7.3-7.4</b>	14 Nov 25-Dec 1	<ul style="list-style-type: none"> <li>Confidence intervals and hypothesis tests for the slope parameter and the mean of Y for a given value of X</li> <li>Prediction intervals for a future value of Y for a given value of X</li> <li>Residual analysis of regression assumptions</li> </ul>
<b>9.1-9.2</b>	15 Dec 2-Dec 8	<ul style="list-style-type: none"> <li>One-way Analysis of Variance</li> <li>Multiple Comparisons</li> </ul>
<b>Final Exam</b>	16 Dec 9-Dec 15 (Dec 15-16)	<p><b>Review for Final Exam</b></p> <ul style="list-style-type: none"> <li>All sections covered on Exams 1 and 2</li> </ul> <p>New Material</p> <ul style="list-style-type: none"> <li>Ch 6 sections 11 and 12</li> <li>Ch 7 sections 1,2,3,4</li> <li>Ch 9 sections 1,2</li> </ul>