Date	Schedule	Assignments
		Read syllabus and schedule. Let Teachout know project partner
	Syllabus	and choice of project questions. Lecture on types of data.
Feb 6	Schedule	Textbook Problems 1A#1,2,3. Finish Stat Support Activity#1 –
	Section 1A	Excel Basics (copy,paste, highlighting and widening columns)
		Start collecting data for project#1. Work on project#1.
		Lecture on methods of collecting data. Textbook Problems
Feb 8		1B#1-15 all. Affective Domain Activity#1 Growth Mindset. Excel
	Section	Activity#2 typing project data, creating "Other" category and
	1B	doing a "Custom Sort".
		Collect data for project. Work on project#1. Lecture on types of
Feb 13	Section	bias in data. Textbook Problems 1C#1-11 all. Affective Domain
	1C	Activity#2 Grit. Intro to StatKey Activity.
	Section	Work on project#1. Lecture on Experimental Design.
Feb 15	1D	Ruler Experiment Activity. Textbook Problems 1D#1-6,17-27.
		Work on project#1. Stat Support Rounding Activity.
		Proportion % Conversion Lecture. Estimating Amounts Lecture.
Feb 20		Calculating Proportions and Percent of Increase Lecture. Putting
	Section	Categorical Data into StatKey Lecture. Intro to Pie charts
	1E	lecture. Textbook Problems 1E#1-11,13-14,16,18-22
		Finish Project#1! Binomial Probability Lecture.
		Textbook Problems 1E#25,26.
Feb 22		Stat Support Activity Normal Shape.
	Sections	Stat Support Activity: Mean Average.
	1E & 1F	Stat Support Standard Deviation Activity.
		Project#1 Due Today! Start project#2.
		Normal Data Analysis Lecture. Z-score Lecture.
Feb 27	Section	Empirical Rule Lecture. Normal Probabilities Lecture.
	1F	Textbook Problems 1F#1,2,6,7,9,10,11,14,15,19,21,22,24,25
	Section	Work on project#2. Shape Activity. Median Activity.
Feb 29	1G	Quartiles & IQR Activity. Box-Plot & Outliers Activity.
		Work on project#2. Skewed & Non-normal Data Analysis
		Lecture. Textbook Problems 1G#2,3,4,7
Mar 5	Sections	Other Quantitative Statistics Activity. Sections 2A Statistics &
	1G & 2A	Parameters Lecture, Textbook problems 2A#2-25 all
		Work on project#2. Sampling Distribution Coin Activity,
		Sampling Distribution Coffee Activity, Sampling Distribution &
Mar 7	Sections	Central Limit Theorem Lecture, Textbook problems
	2B & 2C	2B#1-3,5-8,19,20 & 2C#1-7,9,10,17,18.
		Work on project#2. Confidence Interval Calculation & Sentence
		Lecture, Textbook Problems 2D#1-10, Finding Statistic and
Mar 12		Margin of Error Lecture, Textbook Problems 2D#11-20,
	Section	Understanding "Confidence" Activity (2D#21-32).
	2D	COC Shelter in Place Drill.
		Work on project#2. Critical Value Z-scores StatKey Activity.
		Population Proportion Confidence Interval Calculations and
		Conditions. Textbook Problems 2E#1,4-11.
Mar 14		Critical Value T-scores StatKey Activity.
		Population Mean Average Confidence Interval
	Section	Calculations and Conditions.

		Finish project#21 One Deputation Many and Drawsti
Mar 19		Finish project#2! One-Population Mean and Proportion
		Bootstrap Confidence Interval Lecture. Textbook Problems
	Continue	2E#3,20-27. Stat Support Difference Activity. Two-Population
	Sections 2E & 2F	Confidence Interval Interpretations.
	2E & 2F	Textbook Problems 2F#4-12
		Project#2 Due Today! Start Project#3.
		Lecture & Stat Support Activity: Calculations for two-population
		proportion confidence interval.
Mar 21		Stat Support Activity: Two-population degrees of freedom and critical value T-scores.
		Lecture & Stat Support Activity: Calculations for Two-population
		mean confidence interval from independent groups.
	Section	Lecture: Matched Pair Confidence Interval Calculations
	2F	Affective Domain Activity#4 Stress
	۲	
		Work on project#3. Stat Support Activity: Calculations for Matched Pair mean
		confidence intervals.
Mar 26		Lecture: Two-population confidence intervals conditions and
		bootstraps.
	Section	Textbook problems 2F#13-20
	2F	Go over Project#3
	21	Work on project#3. Stat Support Activity: Inequalities &
		Population Parameters. Section 3A Null & Alternative
Mar 28		Hypothesis Lecture. Finish textbook problems 3A#1-20 all.
	Section	Section 3B Intro to Test Statistic (Tail Rule) Lecture. Finish
	3A & 3B	textbook problems 3B#1-20 all.
	Spring	Work on project#3.
Apr 2 & 4	Break	Catch up on make-up work.
		Work on project#3.
		Stat Support Activity: Significance Levels (Also includes drawing
		distributions and labeling critical values & test statistics)
		Section 3B Lecture: Using StatKey and Significance level to
Apr 9		Calculate Critical Values. Finish problems 3B#21-29 all.
		Section 3B Lecture: One-Pop. Test Stat Sentences and
		Calculations. Finish problems 3B#30-35 all.
	Section	Section 3C Stat Support Activity: Scientific Notation (Also
	3B & 3C	includes Scientific Notation to % conversions.)
		Work on project#3.
		Lecture: 3C Introduction to P-value.
		Finish problems 3C#1-32 all.
		Lecture: P-value in Hypothesis Test Example 3C#33
Apr 11		Finish problems 3C#33-37 all.
		Lecture: StatKey Theoretical Distribution P-value Calculations.
		Finish problems 3C#38-45.
	Section	Stat Support Activity: Drawing P-value, Significance Level, Test
	3C	Statistic and Critical Value on same distribution (#1-10)
		Finish project#3! Affective Domain Activity: Mistakes
		Lecture: Section 3D Hypothesis Test Conclusions.
Δpr 16	1	Stat Support Conclusion Activity#1-16.
Anr 16		
Apr 16		Conclusion with Scientific Study Example 3D#17.
Apr 16	Sections 3C & 3D	

		Project#3 Due Today!
		Ch 3 Review Sheet#3-6,8-11
Apr 18	Sections	3E Lecture: Type 1 and Type 2 Errors.
	3A-3D Review & 3E	Finish textbook problems 3E#1-15.
	SA SD REVIEW & SE	Class Cancelled due to instructor illness.
Apr 23	Section 3F	 Go to the "Statistics" page on www.matt-teachout.org Watch all 3 of the online lectures on "Section 3F One- Population Proportion Hypothesis Test". Take hand- written notes on all of the video lectures. Finish problems 3F#1,4-7. Watch all 3 of the online lectures on "Section 3F One- Population Mean Hypothesis Test". Take hand-written notes on all of the video lectures. Finish problems 3F#2,8-11. Go to the "Pre-Stat" page on www.matt-teachout.org and open the Stat Support Activity: One-Population Test Statistics. Read notes and do problems 1-6. Watch all 3 of the online lectures on "Section 3F One- Population Mean and Proportion Hypothesis Tests with StatKey and Statcato". Take hand-written notes on all of the video lectures. Do textbook problems 3F#12,13,18,23 Note: All nine of Section 3F Lecture Video Notes, Section 3F Textbook Problems assigned, and Activty#1-6 will be collected.
Apr 25	Section 4B	 Lecture Section 4B: Intro to ANOVA, Ho, Ha, Conditions Stat Support Activity: ANOVA and F-test statistic Calculations#1-3 Finish problems 4B#1-4,21-24 Lecture and Problems Section 4B: Traditional ANOVA test example. Finish problems 4B#25,26 Lecture and Problems Section 4B: Randomization ANOVA test example. Finish problems 4B#29,32 HW: Finish Activity Problems, Finish 4B problems, and start on project#4.
Apr 30	Section 4C	Work on project#4. Finish problems 4C.
May 2	Section 4A	Work on project#4. Finish problems 4A
May 7	Section 4D	Work on project#4. Finish problems 4D. Finish and turn in make-up work.
May 9	Sections 4E	Work on project#4. Finish problems 4E. Finish and turn in make-up work.
May 14	Section 4F	Work on project#4. Finish problems 4F. Finish and turn in make-up work.
May 16	Section 4G	Finish Project#4! Finish problems 4G. Finish and turn in make-up work.
May 21	Section 4H	Project#4 Due Today! Finish problems 4H. Finish and turn in make-up work.

May 23	Final Review #1	Finish problems Ch1 Review Sheet #1,2bdgh,4,5,6,7abc,8,9,12abc,14-18 Ch2 Review Sheet#1(n,π,ρ̂,μ,X),10abefgh,12 Study for Final Exam! Finish and turn in make-up work.
May 28	Final Review #2	Ch3 Review Sheet#3,4,5,8,9,10,11 Ch4 Review Sheet#1,3,6,7,8,9,10,11,12,13,14 Study for Final Exam! Finish and turn in make-up work.
May 30	Cumulative Final Exam	Last day to turn in make-up work!! Math 140 is over! Have a great Summer!