

## Stat 512: Spring 2017 Tentative Schedule

All Divisions: HW assignments are due 11:59 pm on Mondays to be submitted on Blackboard.

Week		Topic	HW/Exams/Project
1	Jan 9 – 13	<b>Chapter 1:</b> Simple Linear Regression (SLR).	
2	Jan 16	<b>No Classes – MLK Day</b>	
2	Jan 16 – 20	<b>Chapter 2:</b> Inferences in Regression and Correlation Analysis.	
3	Jan 23 – 27	<b>Chapter 3:</b> Diagnostics and Remedial Measures.	HW 1 (Jan 23)
4	Jan 30 – Feb 3	<b>Chapter 4:</b> Simultaneous Inferences.	
5	Feb 6 – 10	<b>Chapter 5:</b> Matrix Approach to SLR.	HW 2 (Feb 6)
6	Feb 13 – 17	<b>Chapter 6:</b> Multiple Linear Regression (MLR).	
7	Feb 20 – 24	<b>Chapter 6:</b> Diagnostics and Remedial Measures for MLR.	HW 3 (Feb 20)
8	Feb 27–Mar 3	<b>Chapter 7:</b> Extra Sum of Squares and Partial Correlation.	
9	Mar 6 – 10	<b>More on Chapter 7.</b> <b>Chapter 8:</b> Regression Models for Quantitative and Qualitative Predictors.	HW 4 (Mar 6) *****Midterm*****
10	Mar 13 – 17	<b>No Classes – Spring Break</b>	
11	Mar 20 – 24	<b>Chapter 9:</b> Model Selection and Validation.	
12	Mar 27–Mar 31	<b>Chapter 10:</b> Identifying Outliers and Influential Observations.	HW 5 (Mar 27)
13	Apr 3 – 7	<b>Chapter 11:</b> Multicollinearity, Weighted Least Squares Regression, Piecewise and Ridge Regression.	
14	Apr 10 – 14	<b>Chapter 16:</b> One-Way ANOVA Model for Regression. Cell Means & Factor Effects Models. Multiple Comparisons: LSD, Tukey, Scheffe, and Bonferroni	HW 6 (Apr 10)
15	Apr 17 – 21	<b>More on Chapter 16.</b> Variance Stabilizing Transformations <b>Chapter 19:</b> Two-Way ANOVA Model for Regression. <b>Chapter 25:</b> Mixed Effects Models (time permitting).	
16	Apr 24–28	<b>Presentations (Oral Assessment)</b> <b>Classes End</b>	HW 7 (Apr 24) <b>Final Report (Apr 28)</b>
	May 1 – 5	<b>Monday through Saturday</b>	<b>Final Exam</b>

- SAS help sessions are every Wednesday from 6:30-8:30 pm in **BRNG B286**.
- Midterm examination covers chapters 1 through 6; that is topics 1, 2, and 3.
- Final Exam covers chapters 7, 8, 9, 10, 11, 16, and 17; that's topics 4, 5, and 6.
- The instructor will cancel one class to make up for the evening midterm.
- **No late assignment/project will be accepted.**