The following is a tentative schedule for the course subject to change. **Please adhere to the due dates provided in Canvas as Canvas supersedes this schedule.**

Date	Topics	Assignments
18-Jan	*No Class (Martin Luther King Jr. Day)*	
20-Jan	1.1: Intro to Linear Regression/Syllabus Review	
22-Jan	1.2: Review of Hypothesis Testing	
25-Jan	1.3: SAS/R Crash Course	
27-Jan	1.4 Data Exploration / 1.5 Mathematical Writing	
29-Jan	2.1 Simple Linear Regression	**HW 1/Getting to Know You/Hypothesis Testing Quiz/Syllabus Quiz**
1-Feb	2.2: Diagnostics and Remedial Measures	
3-Feb	(Applications and Examples)	
5-Feb	2.3: Simple Inference	
8-Feb	2.4: Simultaneous Inference:	
10-Feb	(Applications and Examples)	
12-Feb	2.5 Multiple Linear Regression	**HW 2**
15-Feb	*No Class (Presidents' Day)*	
17-Feb	2.6: Multiple Inference	**Quiz 1**
19-Feb	(Applications and Examples)	**Project 1 Paper - First Draft**
22-Feb	3.1: Alternate Variable Types	
24-Feb	3.2: Variable Selection	
26-Feb	(Applications and Examples)	**HW 3**
1-Mar	3.3: Model Influence	**Intro to Scientific Writing**
3-Mar	3.4: Model Validation	**Quiz 2**
5-Mar	(Applications and Examples)	**Project 1 Paper - Final Draft**
8-Mar	4.1: Penalized Regression	**Mid-Semester Evaluation**
10-Mar	4.2: Other OLS Variations	
12-Mar	*No Class (Spring Break Replacement)*	**HW 4**
15-Mar	(Applications and Examples)	
17-Mar	4.3: Non-Parametric Regression	**Quiz 3**
19-Mar	(Applications and Examples)	**Project 2 Papers - First Draft**
22-Mar	Final Project Introductions	**Mythos of Model Interpretability**
24-Mar	Model Interpretability	**Final Project Groups**
26-Mar	Group Work Primer	**HW 5**
29-Mar	(Final Project Group Meetings)	**Project 2 Peer Review**
31-Mar	5.1: Logistic Regression	**Quiz 4**
2-Apr	5.2: Extensions of Logistic Regression	**Project 2 Papers - Final Draft**
5-Apr	(Final Project Group Meetings)	**Final Project Proposals**
7-Apr	6.1: Time Series	
8-Apr	6.2 Time Series Case Study	**HW 6**
12-Apr	(Final Project Group Meetings)	**Final Project Update**
14-Apr	(Applications and Examples - Homework 7)	**Quiz 5**
16-Apr	(Final Project Group Meetings)	
19-Apr	7.1: Generalized Additive Models	
21-Apr	(Final Project Group Meetings)	
23-Apr	7.2 Quantile Regression	**Final Project Papers - Penultimate Draft**
26-Apr	(Final Project Group Meetings)	**HW 7**
28-Apr	*No Class (Interim Day)*	**Quiz 6**
30-Apr	**Project Presentations (class attendance required)***	**Final Project Slides (pdf format)***
3-May	**No Class (Finals Week)**	**Review Response/Final Project Papers - Final Draft**

All assignments, unless otherwise indicated, must be submitted *before 8pm* on the day they are due.

* - Assignment due before class (1:15pm)

** - Final Exam Time: 1:30-3:20pm