**92.283: Introduction to Statistics, Section 209, 210**

**Text: David S. Moore, The Basic Practice of Statistics**

**Lecture Schedule, Fall 2015**

Date Chapter Topics

**PART 1, 2: Exploring Data & Producing Data**

Sep 1th Course introduction, Excel skill brief, Chap 1

Sep 3th Chapter 1 Picturing Distributions with Graphs

Sep 8th Chapter 2 Describing Distributions with Numbers

Sep 10th, 15th Chapter 3 The Normal Distributions

Sep 17th Chapter 4 Scatter plots and Correlation

Chapter 5 Regression

Sep 22th Chapter 8, 9 Producing Data: Sampling & Experiments

Sep 24th Review chapter 1-9, exclude chapter 6 & 7

Sep 29th **Exam #1**.

**PART 3: From Data Production to Inference**

Oct 1thChapter 12 Introducing Probability

Oct 6th Chapter 13 General Rules of Probability, Normal Distribution

Oct 8th Chapter 15 Sampling Distribution

Oct 15th Chapter 16 Confidence Intervals: The Basics

Oct 20th Chapter 17 Tests of Significance: The Basics

Oct 22th Chapter 18 Inference in Practice

Oct 27th Review chapter 12-18, exclude chapter 14

Oct 29th  **Exam #2**

**PART 4, 5: Inference about Variables, Relationships**

Nov 3th, 5th Chapter 20 Inference about a Population Mean

Nov 10th Chapter 21 Comparing Two Means

Nov 12th,17thChapter 27 One-Way Analysis of Variance: Comparing

Several Means: ANOVA

Nov 19thChapter 22Inference about a Population Proportion

Nov 24th, Dec1th Chapter 6 Two-Way Tables

Chapter 25 Two Categorical Variables: The Chi-Square Test

Dec3th, 8th ReviewAllChapters Above

Dec 9th -13th **Final Exam**

* Note: The instructor reserves the right to alter the syllabus and schedules, as needed.