

## **Tentative Syllabus Statistics 101**

### **Spring 2009**

Texts: Through website in folder Course Material/Reading. Also available as Bulk Package in Wharton Reprographic.  
Computer software: JMP-IN – Statistical Discovery Software, Thomson.

<u>Week</u>	<u>Topics</u>	<u>Reading Material</u>
January 12	Introduction and Beginning of Descriptive Statistics	Chapters 1 -2
January 19	Describing One Variable (Categorical/Continuous)	Chapter 3 and 4
January 26	Continue Continuous and Normal Distribution Relationships Between Two Categorical Variables	Chapters 4 and 12 Chapter 5
February 2	Relationships Between Two Categorical Variables Simpson's Paradox Relationship Between Two Continuous Variables	Chapters 5 and 6
February 9	Summarize and Finish Part I -Descriptive Stat.	Chapter 6
February 16	Introduction of Probability	Chapter 7 and 8
February 23	Finish Basic Probability and Discrete Random Vars.	Chapters 8 and 9
March 2	Finish Discrete Random Variables Binomial Random Variables	Chapters 9 and 11
March 16	Normal Random Variables Covariance Correlation (Portfolio)	Chapter 12 Chapter 10
March 23	Review of Part II- Probability	
March 30	Sampling Distribution Central Limit Theorem	Chapter 13
April 6	Confidence Intervals	Chapter 16
April 13	One Sample Hypothesis Tests	Chapters 15 and 17
April 20	Introduction to Regression	Chapters 19 and 21

Examinations: Midterm, Wednesday, March 18<sup>th</sup>, 6:00-8:00PM  
Final Examination, Thursday, May 7, 6:00-8:00PM