Statistics is an important analytical tool for business and economics. It helps one to organize his/her thoughts in a systematic and accurate fashion. Arguments with statistics are always more convincing than without, therefore this is an important course for you to take. A good background in Statistics will definitely make you more marketable!

Course Structure

The class will meet on daily basis. In addition, you must also register and attend recitations. Reading and homework assignments in general will be on a daily basis. You will be expected to finish all the assignments on time.

There will be one Midterm and one Final. Overall course grade will depend on homework, Midterm and Final in the following way: Homework: 30%; Midterm: 30%; Final: 40%.

Textbook

Statistics for Business & Economics (Fourth Edition), by Paul Newbold. (Available in bookstores)

Schedule

Week 1, 6/3 - 6/7: Introduction to Statistics (Ch 1)  
Summarizing Numerical Information (Ch 2)  
Probability (Ch 3)

Week 2, 6/10 - 6/14: Discrete Random Variables and probability Distributions (Ch 4)  
Continuous Random Variables and Probability Distributions (Ch 5)

Midterm

Week 3, 6/17 - 6/21: Sampling and Sampling Distributions (Ch 6)  
Point Estimation (Ch 7)  
Interval Estimation (Ch 8)

Week 4, 6/24 - 6/28: Hypothesis Testing (Ch 9)  
Some Nonparametric Tests (Ch 10)  
Goodness-of-Fit Tests and Contingency Tables (Ch 11)

Week 5, 7/1 - 7/3: Linear Correlation and Regression (Ch 12)  
Multiple Regression (Ch 13)

Final

* If there is extra time, we will schedule a couple computer sessions, so that you will get a chance to get a hand-on experience. It's fun!