Statistics 102  
*Introduction to Probability Modeling and Statistical Inference*

**Lecture:** MWF 1:10-2:00pm, Wellman 234  
**Discussions:** T 3:10-4:00pm, Olson 176, and R 3:10-4:00pm, Olson 147

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**Text:** *Statistics, Principles and Methods* (Sixth Edition) by Johnson and Bhattacharyya

**Materials to be covered:**

- Introduction  
- Descriptive Statistics  
- Probability  
- Probability Distributions  
- The Normal Distribution  
- Sampling Distribution

**MIDTERM I**  
Friday, April 20

- Large-Sample Inference  
- Small-Sample Inference  
- Comparing Two Treatments

**MIDTERM II**  
Friday, May 11

- Regression Analysis  
- Analysis of Categorical Data  
- Analysis of Variance

**FINAL EXAM**  
Tuesday, June 12  
1:00-3:00pm

**Homework:** Homework problems will be assigned and posted on the web on a weekly basis.  
**Late homework will not be accepted.**

**Midterms:** There will be two midterm examinations. No make up exam will be given.

**Grading:** HOMEWORK 10%, MIDTERM I 25%, MIDTERM II 25%.  
FINAL 40%