

**STA 6167 – Section 1648**  
**Statistical Methods in research ii**  
**Spring 2009**  
**Tu 2- 3, th 3 @ Little 121**

**Instructor: Dr. Larry Winner**

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**Office Hours: TBA (will be posted on class website)**

**Text: *Applied Statistical Methods* (on class website)**

**General Topics (Tentative)**

- **Multiple Linear Regression**
- **Analysis of Covariance**
- **General Linear Model**
- **Factorial Designs (Fixed, Mixed, Random Effects)**
- **Nested Designs**
- **Split- Plot Designs**
- **Repeated Measures Designs**
- **Logistic Regression**
- **Poisson Regression**
- **Nonlinear Regression**
- **Introduction to Survival Analysis**

## **Grading:**

**This course will consist of a series of data analysis projects and 2 exams. The projects will count 50% of final grade, and each exam will count 25%.**

- Exam 1: Tuesday, Feb. 24**
- Exam 2: Tuesday, April 21**

**Projects and datasets will be posted on class website.**

**SAS and R code will be provided for all methods covered in the course on class website.**

**R can be downloaded for free from the website:**

**<http://cran.r-project.org/bin/windows/base/>**

**SAS licenses (not permanent, but while you are a student) can be purchased for \$50 in the basement of the bookstore or by going to:**

**[www.software.ufl.edu/sas](http://www.software.ufl.edu/sas)**