

STA 6167
Statistical Methods in research ii
Spring 2008

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**

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. 19**
- **Exam 2: Tuesday, April 22**

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