

**STA 6167 – SECTION 1F80**  
**STATISTICAL METHODS IN RESEARCH II**  
**SPRING 2013**  
**TU 1, TH 1-2 @ 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, and at Target Copy)

**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 3 exams. The projects will count 25% of final grade, and each exam will count 25%.**

- **Exam 1: Thursday, Feb. 7**
- **Exam 2: Thursday, March 14**
- **Exam 3: Thursday, April 18**

**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 (at least, it was the last time I taught this class):**

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

## **Notes:**

- Homework problems will be assigned from textbook, but not graded.
- Homework projects will be posted on class website and will be taken up and graded. Projects must be handed in (hard copy), e-mail will not be accepted.
- Exams are 2-hour. You may bring a copy of the  $t, \chi^2, F$  table with hand written notes (8.5x11")
- Homework will count 25% of your course grade, each exam will be 25%
- Grades are not negotiable.
- You may request problems to be worked out in upcoming class via e-mail. I will not give detailed solutions via e-mail.