

**STA 6167 - SECTION 1FŚO**  
**STATISTICAL METHODS IN RESEARCH 11**  
**SPRING 2015**  
**TUI, TH 1-2  GRIFFIN/ELOVD 100**

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**OFFICE HOURS:** TBA (will be posted on class website)

**TEXT:** *Applied Statistical Methods* (on class website, and will be at Target Copy)

General Topics (Tentative)

- **Multiple Linear Regression**
- **Completely Randomized Design**
- **Factorial Designs (Fixed, Mixed, Random Effects)**
- **Nested Designs**
- **Split-Plot Designs**
- **Repeated Measures Designs**
- **Analysis of Covariance**
- **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. 5
- Exam 2: Thursday, March 12
- Exam 3: Thursday, April 16

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.