Instructor: Dr. Mike Daniels (mdaniels@stat.ufl.edu)  
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273-2966

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Lecture: T Period 4, Th Period 3-4, FLO 230

Pre-requisites: STA 6207-6208 and Stat 6327.

Some Useful texts (on reserve in Marston Science Library):


Office Hours: T Period 2-3, Th Period 2 or by appointment (call or email)

Content:
This course will focus on the theory and application of generalized linear models and related topics. The core material covered will be in Chapters 3-9 of Dobson and Barnett. Questions on this material appear on the PhD qualifying exam. Advanced topics including generalized linear mixed models, marginalized models, generalized estimating equations, generalized additive models, penalized regression, and missing covariates will be covered if time permits.

Computing: Models introduced will be fit using R. You will be required to write code to fit some of these models. Datasets will be provided.

Assignments: There will be several assignments handed out during the semester. Assignments will be due at the beginning of class on the due date. Late assignments will not be accepted. Your homework grade will be based on both completing the assignment and my grading of selected problems.
**Project:** A twenty minute presentation on an advanced topic not covered in the course. It will be graded based on correctness and clarity. Topic must be approved by me ahead of time. I will give more details at the end of February.

**Exams:** There will be two exams given during regular class time (dates given below). The exams will require a calculator. If you are unable to take an exam on the scheduled date (due to circumstances beyond your control), you need to contact me **BEFORE** you miss the exam. Otherwise, you will receive a 0 on the exam.

**Grades:** Grades for the course will be based on the following:
- Assignments 10%
- Project 20%
- Exam I 35%
- Exam II 35%

**Important Dates**
- No class: Tuesday March 26
- Exam I: Thursday February 21
- Exam II: Thursday April 18