STA 6446-001 Applied Statistics Methods

10:30AM-12:40PM, Monday, Wednesday and Friday, BU 102

Summer 2010

Instructor:
Professor Lianfen Qian
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Prerequisite: STA 4443 or STA 6326 or equivalent

Objectives:
By finishing the course, students will be able to use suitable statistical methods to analyze both numerical and categorical data. Students will be able to estimate the effects of possible factors on response variable by performing ANOVA for data from various experimental designs such as simple random, complete block design, factorial design and nested design.

Course Description:
Overview of normal theory inference, and categorical data methods; basic concepts of experimental design; analysis of variance and covariance; introduction to factorial and nested experiments.

Textbook:

Reference:

Grading:
Final grades are based on homework, project and exams. The detail distribution is given below. Homework will be posted on the course website and should be turned in on time.

Homework  30%
Midterm Exam  30%
Final Project  20%
Final Exam  20%

For more information, visit blackboard at blackboard.fau.edu. The instructor reserves the right to make any changes as circumstances necessitate. Note that it is your responsibility to attend the class and keep track of the proceedings.

Calendar: May 17 – June 25, no class on May 31.