

STA 4033, Sec 0929

Mathematical Statistics with Computer Applications

Summer A, 2002

Course Information

Time: Period 3 (11:00 a.m.–12:15 p.m.) MTWR

Location: FLG (Florida Gym) 230

Instructor: Dr. Brett Presnell

Office: FLO 220

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Phone: 392-1941 Ext. 236

Web Page: <http://www.stat.ufl.edu/~presnell>

Office Hours: Office hours will be posted on the instructor's web page.

Text: See below.

Course Web Page: <http://www.stat.ufl.edu/~presnell/Teaching/sta4033/>

Course Description

Computer simulations on simple statistical techniques such as histograms, z-tests and t-tests; analyzing large data sets by regression, contingency tables, non-parametric and simple multivariate procedures.

Prerequisites

This course has prerequisites in three areas:

Statistics: STA 2023 (Introduction to Statistics) or STA 3032 (Engineering Statistics).

Calculus: MAC 2312 (Analytic Geometry and Calculus 2).

Computer Programming: CIS 3020 (Introduction to CIS).

If you do not have *all* of these prerequisites you must obtain the instructor's approval in order to take this course.

Text

There will be no particular assigned text in this course, but every student is expected to have an introductory statistics text. For example, the textbook from STA 2023,

Statistics (Eighth Edition) by McClave and Sincich

would be very suitable, but any comparable text would serve just as well. *You will need a reference for the material from STA 2023.* Try to borrow one from a friend if you do not still have your old textbook from the class.

Grading

The course grade will be based on projects (35%), weekly quizzes (35%), and a final exam (30%). A course average of 90–100 will guarantee an A, 80–89 a B, 70–79 a C, etc.

Course Schedule

Tentative course schedule:

Monday	May 13	Classes Begin
Thursday	May 16	Quiz 1
Monday	May 20	Project 1 Due
Thursday	May 23	Quiz 2
Monday	May 27	Memorial Day
Tuesday	May 28	Project 2 Due
Thursday	May 30	Quiz 3
Monday	June 3	Project 3 Due
Thursday	June 6	Quiz 4
Monday	June 10	Project 4 Due
Thursday	June 13	Quiz 5
Monday	June 17	Project 5 Due
Tuesday	June 18	Last Lecture
Thursday	June 20	Final Exam

Make-up exams or quizzes must be approved before the time of the exam and will be given only in case of medical or family emergencies (which must be appropriately documented).

Projects

Several projects will be assigned. These will require both programming and data analysis. For each project the student must submit a printed report describing their work and conclusions and addressing any questions specified in the assignment. The report will be graded on both content and presentation.