ST512-R
Fall 2005

Instructor: Jason A. Osborne
Patterson Hall, Room 16
Phone: 515-1922
osborne@stat.ncsu.edu

Office Hours: F 9:00 am - 11:00 am

Course Website: www4.stat.ncsu.edu/~jaosborn/st512r/

Lecture: M,W,F 8:05 am - 8:55 am, HA 210

Labs: HA G100 (SICL lab), Tu 4:30 pm - 5:45 pm
HA G100 (SICL lab), Th 1:30 pm - 2:45 pm

TAs: Jianyun Zhu and Liz Nelson and Elaine McVey

Text: Statistical Methods and Data Analysis
by Ott and Longnecker, 2001, Duxbury.

Lecture notes: Online or at SirSpeedy (834-8128)

Computing: The statistical software package SAS will be
used extensively. The labs are intended in part to facilitate the
learning of this package. (SAS is available free of charge for NCSU
students, see course website for info.)

Course Description: ST512-R is an applied course that intro-
duces statistical methods based on linear models commonly used
in designed experiments with continuous response variables. Examples
include multiple linear regression, factorial designs, and split-
plot experiments. It is a prerequisite for most advanced course in
statistics.

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Policies of the instructor

**Attendance:** Regular attendance is strongly encouraged. It will not be considered in the grading process.

**Graded Coursework:**

- Homework: 5 assignments, the avg. of which counts 20% of total grade
- First midterm exam, 20% of total grade
- Second midterm exam, 20% of total grade
- Third midterm exam 20% of total grade
- Final Exam, 20% of total grade
- Students achieving
  - $\geq 90\%$ of the total points will receive an A- or better
  - $\geq 80\%$ or above will receive a B- or better
  - $\geq 70\%$ or above will receive a C- or better

**Homework:** Working together on homework is fine, but assignments must be submitted individually. If SAS printouts are included in work, output and page counts must be kept to a minimum, and pertinent elements of the output must be explained clearly.

**Exams:** Notes may be written on a standard size sheet of paper, front and back, and used for exams. Aside from this allowance, exams are closed book. No make-up exams will be allowed. If a valid excuse for missing an exam is provided, the unmissed exams will be reweighted to account for a total of 80% of the grade.

**Academic Integrity:** Academic misconduct, such as cheating on exams, will not be tolerated. Please see the NCSU policy at http://www2.ncsu.edu/prr/student_services/student_discipline/POL11.35.1.php