

STATISTICS 506 SYLLABUS  
Spring 2005

John M. Grego  
MW 4-5:15  
Office Hrs: MW 2:30-4:00

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**Text** PowerPoint handouts, web-based materials and *Designing for Quality* by Robert H. Lochner and Joseph E. Matar (coursepack version).

**Attendance** My attendance policy corresponds to the policy stated in the student handbook: If you miss more than 10% of your classes (more than 3 classes), the teacher may choose an appropriate penalty. I will deduct 2% from your final class average for each additional day that you miss after the third absence.

**Grading** Grades will be weighted in the following way:

Exams (2)	100 points
Homework/Classwork	100 points
Project	100 points
Final Exam	100 points
Total	500 points

The project can be undertaken with a partner (or partners) and will consist of a project proposal, final draft and oral presentation. I use the project to enhance (or reinforce) several skills you will need in your future (or current) career: written and oral communication, practical problem-solving and teamwork.

For most of the course the text and handouts are exemplary, and I will assume that you have read relevant material before I cover the material in class. The handouts contain numerous in-class activities; the assessment of your participation in these activities will be relatively informal though it will form an important part of your grade.

In addition, we will use a web-based version of some of the course material provided through Netgen, a technology company spin-off from USC. Use of the material requires the freeware package Shockwave and a user account. I anticipate that the material covered will replace 5 of our lectures; classes will not be held on these dates.

**Computers** I will maintain a class web page that will be used primarily to communicate important notices, homework assignments, computer handouts and otherwise update the syllabus. Homework solutions *do not* appear on the web page. The URL for the class web page is <http://www.stat.sc.edu/~grego/courses/stat506>.

I will use PowerPoint extensively in class for lecturing and demonstrations of computer software. We will also convene occasionally in Room 303A or one of the workstation labs for group work on the computer. Students will have Blackboard accounts, but I generally use Blackboard only for communicating with distance students during class (distance students at satellite campuses will have to communicate via phone). For in-class exercises, distance students can use Blackboard to work together as a group (though generally distance students no longer watch the presentation live, but download it instead).

We will be using Minitab exclusively in the course. I tend to like to use the best available package for the job at hand and Minitab's design of experiments software is excellent (SAS's design package is excellent too but is available only as a separate SAS module and thus not generally available in the computer classrooms). Descriptions of any Minitab sessions in class will be posted on the Web page.

Date	Reading Assignment	Graded Work
1/10	1	
1/12		
1/19		
1/24		
1/26		
1/31	2	
2/2	3	HW 1
2/7		
2/9		
2/14		HW 2
2/16		
2/21		
2/23		Test 1
2/28		
3/2	4	
3/14		
3/16		HW 3
3/21		
3/23		
3/28		HW 4
3/30		Project Proposal Due
4/4		Test 2
4/6	5	
4/11		
4/13		HW 5
4/18	6	Project Draft Due
4/20		Oral Presentations
4/25		Oral Presentations

The final exam will be due on Tuesday, May 3