

Class Meeting: Tu Th 8:00-9:15, Martin M307

Instructor: Dr. D. Shier, Martin O-120, 656-1100, shierd@clemson.edu

Office Hours: Tu 2:00-3:15, Wed 11:15-1:00, or by appointment

Course Objectives: To introduce students to statistical concepts and their applications in the real world, and to demonstrate that the methods of statistics, converting data into information, are vital tools for today's managers and decision makers. To provide instruction and guidance toward identifying the correct technique, computing the appropriate statistics, and interpreting the results in a cogent manner.

Topical Outline: Graphical and tabular descriptive techniques, graphical presentation, numerical descriptive techniques, data collection and sampling, probability, random variables, discrete and continuous probability distributions, sampling distributions, estimation, hypothesis testing of several parameters in single and dual population studies.

The detailed syllabus (attached) gives daily readings, to be done *before* class, and homework problems, to be completed *after* each class. See the class web site:

<http://www.math.clemson.edu/~shierd/Shier/MthSc319/ms319.html>

Required: Text: G. Keller, *Statistics for Management and Economics*, 7th Edition, ISBN #0-534-49124-3 (make certain that the CD with data is in place), and a calculator. Some homework problems will require Microsoft Excel. It is strongly suggested that you purchase the *Student Solutions Manual*, which provides complete worked-out solutions.

Grading: The final grades will be computed as follows:

4 Tests @ 15% each = 60%

3 Excel Assignments @ 4% each = 12%

Final Exam (December 13) = 30%

(Note: bonus 2% built into Excel Assignments)

No make up exams will be given. Grades will be assigned on a 10-point scale (90% = A, 80% = B, etc.)

Attendance Policy: The pace of this class will take place at such a rapid clip that it will not be advisable to miss any sessions. Indeed, students who have missed more than 4 days of class (equivalent to two weeks) may be dropped from the class roll. Please see the University attendance policy listed in the [Announcements](#). If you are absent, it will be your responsibility to contact another student (not the instructor) for class notes and any information that may have been conveyed in class. Students are expected to wait quietly for 15 minutes after class is scheduled to begin; if your instructor has not yet appeared the students are free to leave.

Letters of Accommodation: If you have a letter stating specific testing accommodations to which you are entitled, please come by my office to discuss the accommodations that you will need and to give me a copy of the letter. Even if you do not anticipate using any accommodations, it is a good idea to turn in the letter as soon as possible. Please note that unless I have at least one week's notice I will be unable to provide any accommodation on an exam.

Prerequisites: *Please note, because this is very important:* The prerequisites for this course are MthSc 106, or MthSc 207, or MthSc 210. This is Departmental policy and is not negotiable. If you get an email regarding prerequisites, attend to it immediately. If you are enrolled without the prerequisites, proceed at your own risk.

Academic Integrity: As members of the Clemson University community, we have inherited Thomas Green Clemson's vision of this institution as a 'high seminary of learning'. Fundamental to this vision is a mutual commitment to truthfulness, honor and responsibility, without which we cannot earn the trust and respect of others. Furthermore, we recognize that academic dishonesty detracts from the value of a Clemson degree. Therefore, we shall not tolerate lying, cheating, or stealing in any form.

For further information regarding academic integrity and how it is protected on the Clemson Campus, please refer to the material in the [Announcements](#). The University policy on academic dishonesty will be strictly enforced.