Goal: Learn to group and classify technical data. Learn curve fitting using statistical and nonstatistical methods. Graph scientific data.

Skills:
1. Represent quantitative and qualitative data using appropriate graphical techniques.
2. Evaluate numerical summaries of a data set.
3. Demonstrate familiarity with the binomial and normal random variables.
4. Explain the Central Limit Theorem and its consequences.
5. Use confidence intervals for estimation.
6. Use hypothesis tests to compare one variable to a hypothesized value and to compare two populations.
7. Perform regression analysis and interpret the results.

Text: Students are not required to buy a textbook. I will be referring to Wakefield, McLaughlin: *Introduction to Data Analysis Using Minitab for Windows, 3rd ed.*

Instructor: Dr. Lisa Bloomer Green  
KOM 201B  
898-5775  
Lisa.Green@mtsu.edu  
http://mtweb.mtsu.edu/lbgreen

Office Hours: MWF 12:30-1:30, Tu 10:35-11:20, Th 11:15-12:15 and by appointment.

Grading: Classwork Weekly 50%  
Midterm February 28 25%  
Final Exam Thursday, May 3 25%  
10:00-12:00

Grading Scale: A [90, 100]; B [80, 90); C [70, 80); D [60, 70); F [0, 60)

General Info: 1. The final exam is on the date indicated above. It will be rescheduled only if you have more than two finals on the same date.  
2. Cell phones must be turned off during exams. “Vibrate” is not the same as “off.”  
3. Last day to drop without a grade is January 25.  
4. Last day to drop with a “W” is March 23. No grade of “W” will be assigned after the official drop date except in situations involving extreme extenuating circumstances beyond the student’s control. In particular, a “W” will not be granted merely because the student is failing. Students should be aware that missing the official drop date
and thereby receiving an “F” can have ramifications on financial aid.

5. A grade of “I” will be given only in accordance with university policy.

6. If you have a disability that may require assistance of accommodations, or if you have any questions related to any accommodation for testing, note taking, reading, etc., please speak with me as soon as possible. You may also contact the Office of Disabled Student Services (898-2783) with any questions about such services.

7. Do you have a lottery scholarship? To retain Tennessee Education Lottery Scholarship eligibility, you must earn a cumulative TELS GPA of 2.75 after 24 and 48 attempted hours and a cumulative TELS GPA of 3.0 thereafter. You may qualify with a 2.75 cumulative GPA after 72 attempted hours (and subsequent semesters), if you are enrolled full-time and maintain a semester GPA of at least 3.0. A grade of C, D, F, or I in this class may negatively impact TELS eligibility. Dropping a class after 14 days may also impact eligibility; if you withdraw from this class and it results in an enrollment status of less than full time, you may lose eligibility for your lottery scholarship. Lottery recipients are eligible to receive the scholarship for a maximum of five years from the date of initial enrollment, or until a bachelor degree is earned. For additional Lottery rules, please refer to your Lottery Statement of Understanding form, review lottery requirements on the web at http://scholarships.web.mtsu.edu/telsconteligibility.htm, or contact the Financial Aid Office at 898-2830.