Learning Outcomes:
1. Represent quantitative 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: **Introduction to Data Analysis Using Minitab for Windows, 3rd edition, Wakefield & McLaughlin** (Be sure that you get the CD with data files included with the textbook).

Software: Minitab (available on computers in KOM 252 and in Computer 24/7 Lab in BAS, computers 21-30). A 6-month rental is available at [www.onthehub.com](http://www.onthehub.com)

Instructor: Dr. Nancy J. McCormick KOM 201D 898-5763
Email: nancy.mccormick@mtsu.edu
Webpage: [http://mtweb.mtsu.edu/nmccormi](http://mtweb.mtsu.edu/nmccormi)

Office Hours: Please set an appointment by emailing me. My regular office hours are MW 2-4 and R 9-11.

Grading:
- Classwork Weekly Assignments 60%
- Midterm October 9th 20%
- Final Exam Thursday, December 11th 20%
  1:00-3:00

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

General Info:
1. Last day to drop without a grade is September 7th.
2. Last day to drop with a “W” is October 29th. 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.
3. A grade of “I” will be given only in accordance with university policy.
4. Do you have a lottery scholarship? To retain the 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. A grade of C, D, F, FA, or I in this class may negatively impact TELS eligibility.

If you drop this class, withdraw, or if you stop attending this class you may lose eligibility for your lottery scholarship, and you will not be able to regain eligibility at a later time.

For additional Lottery rules, please refer to your Lottery Statement of Understanding form (http://www.mtsu.edu/financial-aid/forms/LOTFOD.pdf) or contact your MT One Stop Enrollment Counselor (http://www.mtsu.edu/one-stop/counselor.php).

5. Reasonable Accommodations for Students with Disabilities: Middle Tennessee State University is committed to campus access in accordance with Title II of the Americans with Disabilities Act and Section 504 of the Vocational Rehabilitation Act of 1973. Any student interested in reasonable accommodations can consult the Disability & Access Center (DAC) website www.mtsu.edu/dac and/or contact the DAC for assistance at 615-898-2783 or dacemail@mtsu.edu

ASSIGNMENTS/DUE DATES

Chapter 2 – p.34/September 11
Chapter 3 – p.49/September 18
Chapter 5 – p.76/September 25
Chapter 6 – p.94/October 2
Midterm Exam – October 9 in KOM 222
Midterm Academic Progress Reports will be submitted by instructor – October 10
Chapter 7 – p.103/October 23
Chapter 8 – p.120/October 30
Chapter 9 – p.141/November 6
Chapter 10 – p.161/November 13
Chapter 11 – p.180/November 20
Final Exam – December 11 @ 1:00-3:00 in KOM 222