MATH 1810
Course Syllabus

Course Title: Applied Calculus I

Description: Three credits. This course satisfies the General Education Mathematics requirement and meets specific requirements for programs as outlined in the MTSU Undergraduate Catalog. Topics include mathematical modeling applied to real-world problems, sets, functions, limits, continuity, single variable differentiation, implicit differentiation, exponential and logarithmic models.

Prerequisites: Eligibility to take MATH 1710, two years of high school algebra, a Math Enhanced ACT score of at least 19 or COMPASS placement passing grade in MATH 1710.

Semester: Fall 2014
Course: MATH 1810-001 Room: KOM 160

Instructor: Dr. Nancy J. McCormick
Office: KOM 201-D
E-mail/Phone: nancy.mccormick@mtsu.edu / 615-898-5763

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

Webpage: http://mtweb.mtsu.edu/nmccormi/

Attendance:
Attendance is required at each class meeting. Participation in University sanctioned activities or in military duties and situations where the institution’s policy on inclement weather is applicable are considered excused absences. However, non-attendance does not relieve a student of the responsibility for work covered or assigned. The instructor will keep a record of attendance for each student. No make-ups for missed exams.

Required Text: Calculus with Applications, 10th edition, Lial, Greenwell, Ritchey
Calculator: A TI-83 or TI-84 Plus graphing calculator is required for this course. TI-89 or equivalent is not allowed.
MyMathLab Course ID: mccormick62538

Purpose:
This course is designed to help students develop basic skills and concepts in applied calculus. It introduces the notion of the limit of a function and applies the idea to the definition of derivative and integral.