Professor: David McClendon (ASC 2046, phone x2574 (231-591-2574 off campus), office hours TR 9-10 (in ASC 2046), MR 2-3 (in ASC 2050) or by appointment, email: DavidMcClendon@ferris.edu)

Lectures: Section 1: MTWR 8:00-8:50 AM in STR 212.

Section 2: MTWR 10-10:50 AM in STR 212.

Prerequisite: MATH 120 (or equivalent) with a grade of C- or better; or a sufficient score on a standardized test or placement exam.

Web: http://mcclendonmath.com/130.html has handouts, lecture notes, and other information.

Required materials: You need my lecture notes, which you can obtain in either of two ways:

- as a course pack, available for purchase at the bookstore; or
- online (for free), at my web page (as a pdf file).

Bring the lecture notes to class every day, as they contain the examples and notes from which I will teach the course.

Recommended materials: I recommend a three-ring binder to hold the lecture notes and other handouts. I also recommend bringing a couple of colored pens or pencils to class each day, as some of the pictures we will draw to explain concepts are much more easily understandable when drawn in color.

Course material: Functions, equations and other mathematics relevant in calculus and beyond.

Learning outcomes: After completing MATH 130, it is my hope and expectation that students will be able to:

1. use the general concepts of functions;
2. use the concepts of polynomials and other algebraic functions;
3. use the concepts of exponents and logarithms;
4. use the concepts of trigonometric functions.

Grading policy: Class participation/in-class activities: 6%. Homework: 10%. Three full midterm exams: 16% each. Two half midterm exams: 8% each. Final exam: 20%. Grades will be curved at the end of the semester, but an average of 90% guarantees you at least an A-, an average of 80% guarantees you at least a B-, etc.

Attendance policy: I have no formal attendance policy. That said, **nothing** is more correlated with strong performance in my classes than attendance in lectures.

Practice problems: At the end of each chapter in my lecture notes, there are many practice exercises (with answers provided). While these problems aren't collected, they are your best exposure to the kinds of questions I ask on graded assessments. I award extra credit to students who discover any errors in my answers.

Homework: Almost every day, I will distribute a homework assignment (separate from those in the lecture notes). These assignments are to be worked out and turned in at the next class meeting (late homework is not accepted in most cases). They are graded for correctness.

While you can use your notes and with others on homework assignments, keep in mind that when the exams come you will have to do similar problems without help, without your notes, and without a calculator.

Midterms: There are five midterm exams, on the dates listed on the attached course calendar. Three are "full exams" that take the entire class period; two are "half exams" that will occupy half the class period. None of the midterms are not directly cumulative, but mathematics is "inherently cumulative". Study guides for each exam are on my web page. You may not use a calculator, notes, or other study aids on any MATH 130 exam.

You may make up an exam that you miss (whether your absence is excused or not) but the makeup exams may be considerably more difficult. If you miss an exam, contact the professor; you are to make up the exam at the *earliest possible time*.

Final exam: The final exam is cumulative, and otherwise is like the midterms.

Getting help: The best place to receive help is my office. In class, I will not have time to take many homework questions, and I will not be able to present all perspectives on a topic. In office hours, I am able to discuss the material at a much more friendly pace and offer some alternate viewpoints that may help you understand the material better.

If you cannot make my scheduled office hours, you can come talk to me anytime my office door is open. Also, I am more than happy to make an appointment to discuss the material with you. Send me an email.

Another great place to get help is the Bulldog Math Center (ASC 2050). Tutors are available in the Math Center from 10-3 on MTWR, and some professors hold office hours there (for example, my office hours on Monday and Thursday from 2 to 3 are held there), so you can drop in without an appointment to ask questions.

Additionally, the Math Club may hold weekly tutoring sessions in FLITE (times and locations of these will be announced later; traditionally they are on Wednesday evenings). More information on this coming later.

Last, the Academic Support Center (FLITE 120, x3543, asc@ferris.edu) may offer free tutoring as well. To schedule a (virtual) appointment with an ASC tutor, you can use the online scheduling tool Navigate. Finally, I can also recommend tutors that you can hire.

Students with disabilities who require reasonable accommodations to fully participate in course activities or meet course requirements should register with the Educational Counseling and Disability Services office (x3057, ecds@ferris.edu). While ECDS will send me a letter outlining the accommodations to make for you, I would appreciate it if you could contact me immediately for assistance with any necessary classroom accommodations.

Academic dishonesty: Papers will be monitored for "magic answers". Issues with academic dishonesty are taken very seriously, will almost always result in an F for the class, and will be referred to the Office of Student Conduct.

In particular, no cell phone usage is allowed for any reason during exams.