

Professor: David McClendon (ASC 2046, phone x2574 (231-591-2574 off campus), hours MTR 1-2 or by appointment, email: DavidMcClendon@ferris.edu)

Lectures: MTWR 2:00-2:50 PM in STR 137.

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://mccclendonmath.com/130.html> has handouts, lecture notes, and other information.

Required materials: You need my lecture notes (I will give you one paper copy). Bring the notes every day, as they contain the examples we use in class.

If you an electronic version (which is in color), a pdf of the first three chapters are available on my web page; the rest of the notes will be posted once I write them.

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.

Homework: Almost every day, I will distribute a collection of homework problems. Most of these problems are practice exercises, with the answers provided. The practice exercises are not to be turned in, but I award extra credit to students who discover any errors in the answers I provide.

At the end of each collection of homework, there are some problems labelled “problems to be turned in”. Answers to these are not provided—they are to be worked out and turned in at the next class meeting (late homework is not accepted in most cases). These problems will be graded for correctness.

While you can use your notes and with others on homework, keep in mind that when the exams come you will have to do these types of 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 (keep in mind that the date of Exam 4 is subject to change). Three of them are “full exams” that take the entire class period; two of them are “half exams” that will occupy half the class period. None of the midterms are not directly cumulative, but mathematics is “inherently cumulative”. 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.

Additionally, the Math Club may hold weekly tutoring sessions in FLITE (times and locations of these will be announced later) and the Academic Support Center (FLITE 120, x3543, asc@ferris.edu) offers free tutoring as well.

To schedule an appointment with a tutor, you can use the online scheduling tool Tutor-Trac (located within the “Academic Support” link on Ferris360).

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.