
Math 221: Calculus I

Fall 2008

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Sections 1 & 2
MTRF 10–10:50 & 11–11:50
304 Koch Center
<http://faculty.evansville.edu/ct55>

Course Description. Math 221 is the first of a three-course sequence (Math 221, 222 and 323) of elementary calculus and analytic geometry. We will be covering most of chapters 1–5 in Stewart. Major topics include a brief review of algebra and trigonometry, limits and continuity, differentiation, applications of differentiation, and integration. Furthermore, it satisfies the Mathematical Thought component of the University's General Education Program.

Course Objectives. The goals of the course are to help students develop skills using the techniques of calculus; develop critical thinking and problem solving skills; gain a working understanding of the central concepts of calculus; communicate mathematics, both in writing and orally; and prepare for further study in mathematics, the physical sciences or engineering.

Required Text. James Stewart, *Calculus: Early Transcendentals*, 6th ed., Thomson, Brooks/Cole, 2008. You may wish to obtain the student solution manual for *Single Variable Calculus*.

Calculators. Graphing calculators, such as the TI-83/84, will be allowed on all quizzes and tests. However, calculators with Computer Algebra Systems, such as the TI-89/92, capable of symbolic computation, will *not* be permitted.

Office Hours. I will be in my office Monday, Tuesday, Thursday and Friday from 1–3 PM, and Wednesday from 2–3 and 4–5 PM; additional times can be arranged by appointment.

Exams. There will be three in-class exams, worth 100 points each. Dates will be announced at least two weeks in advance. A cumulative final, worth 150 points, will be given on Thursday, December 11 at 10:15 AM. *Note that this differs from the time given in the schedule of classes.*

Quizzes. There will be (at least) twelve ten-point quizzes given throughout the semester; the highest ten scores will count towards your final grade. Generally, quizzes will be given during weeks that we do not have an exam; quizzes may or may *not* be unannounced.

Projects. There will be two projects, each worth 25 points. The projects will be an extended application problem and require a short written report.

Homework. Exercises will be assigned to accompany the material covered in class. Homework from the text will not be collected; however, you *may* see similar problems on the tests and quizzes. Completion of the assignments is essential to success in this class. There will be ten online homework assignments, each worth ten points. The assignments will be given on Calculus on the Web (COW) at <http://cow.math.temple.edu/>. You may be called upon to present solutions to the homework exercises at the board.

Attendance. You are responsible for any information (including announcements) that you miss. The course website will have up-to-date information. Arriving late or leaving early, reading the newspaper, text-messaging, etc. disrupts the class and is rude and unprofessional.

Computer Use. The computers in the classroom are only to be used during class when students are instructed to do so, and only the application students are instructed to use should be opened. There is to be absolutely no web-browsing, instant messaging, e-mailing, working on computer assignments for other courses, or other use of the computers during class. Each unauthorized use of the computer during class time will result in a 5 point deduction from the next exam; this is your first and only warning. Using the computers at inappropriate times distracts both your classmates and your instructor.

Course Grades. Your grade in the course will be based on the 700 points described above. The class will be graded on a ten point scale; pluses and minuses will be influenced by such factors as attendance and participation.

Make-up Policy. An opportunity to make up missed work will only be granted in the event of a *documented* emergency or illness. If you anticipate a conflict with an announced exam, speak with me **before** the scheduled date.

Extra Credit. There will be no extra credit assignments.

Academic Honesty. Cheating will not be tolerated. We will follow the University's honor code, which reads "I will neither give nor receive unauthorized aid nor will I tolerate an environment which condones the use of unauthorized aid." Collaboration on homework assignments and projects is encouraged; note that work to be submitted for a grade should be your own and not copied from a fellow student.

Students with Disabilities. It is the policy and practice of the University to make reasonable accommodations for students with properly documented disabilities. Written notification to faculty from the Office of Counseling and Health Education is required for any academic accommodations. If you are eligible to receive an accommodation and would like to request it for this course, please discuss it with me and allow two weeks notice. If you have questions about services for students with disabilities or procedures for requesting services, you may contact the Office of Counseling and Health Education at 488-2663.

Disclaimer. I reserve the right to change the dates and policies outlined above at my discretion. Any changes will be announced well in advance.