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# Math 134: Survey of Calculus

## Spring 2007

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Dr. Chris Tweddle  
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Sections 1 & 2  
MWF 9–9:50 AM & 2–2:50 PM  
304 & 126 Koch Center  
<http://faculty.evansville.edu/ct55>

**Catalog Description.** This course treats polynomial, exponential and logarithmic functions, their derivatives and integrals. An introduction to the calculus of several variables and applications to the natural and social sciences. Recommended for students who plan to take only one semester of calculus not requiring trigonometry. Not open to mathematics majors or minors. Background should include four semesters of high school algebra and two semesters of geometry. Prerequisite: Grade of C or better in math 105 or an acceptable score on a placement exam. Does not satisfy the prerequisite for Math 222. Credit not given for more than one of Math 134, 211 or 221.

**Course Objectives.** The goal of this course is to develop a working understanding of the concepts of the calculus and to gain skills using the techniques of calculus. An emphasis will be placed on understanding how the concepts of calculus are used to solve mathematical and applied problems.

**Required Text.** Larson and Edwards, *Brief Calculus, An Applied Approach*, 7th edition, Houghton Mifflin Company, 2006.

**Office Hours.** MWF 10 AM–Noon, MF 3–4 PM and R 1–3 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 Tuesday, May 8 at 8 AM. *Note that this time differs from the final exam schedule given in the spring course schedule.*

**Quizzes and Projects.** There will be (at least) twelve ten-point quizzes or projects 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 announced. Projects will be assigned for completion outside of class.

**Homework.** Exercises will be assigned to accompany the material covered in class. These exercises will not be collected; however, you *may* see similar problems on the tests and quizzes. In addition, there will be ten five-point homework assignments collected throughout the semester. Completion of the assignments is essential to success in this class.

**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 computer software package DERIVE will be used as a tool to help learn the material. However, the computers in the classroom are only to be used during class when students are instructed to do so, and the only application students should be using during class time is DERIVE. 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 600 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.