Instructor:

Name:	Jake Wildstrom
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Office hours:	Monday 12:00–13:00, Thursday 11:00–12:00
Alternative office hours:	Wednesday 11:00–12:00, Tuesday 13:00–14:00

Course Websites:
http://blackboard.louisville.edu/bin/redirect_temp.pl?course_id=MATH%2D180%2D01%2D4092
http://aleph.math.louisville.edu/teaching/2009SP-180

Lecture: MWF 10:00–10:50 AM in Natural Sciences Building LL30

Prerequisites: Appropriate placement score or equivalent coursework.

Description: Differential and integral calculus of polynomial, logarithmic, and exponential functions with applications.

Special notes: Does not count toward mathematics major or minor. Credit not granted for both MATH 180 and 205.

Textbook: *Applied Calculus* by S.T. Tan, University of Louisville custom edition.

Objectives: In this class, we will review the commonly encountered transcendental functions, including logarithmic and exponential functions. We will learn to take derivatives and integrals of functions, and discover applications of the derivative and integral.

Responsibilities: You are responsible for attending class on a regular basis and maintaining comprehension of the scheduled class objectives for each day. Assignments are ungraded and are provided for your benefit; you are expected to work on them as necessary to grasp concepts for the course.

Quizzes and exams: Attendance is mandatory on the following assessment days: Friday, January 16th (Quiz #1), Friday, January 30th (Quiz #2), Friday, February 6th (Exam #1), Friday, February 13th (Quiz #3), Friday, February 27th (Quiz #4), Friday, March 6th (Exam #2), Friday, March 13th (Quiz #5), Friday, April 3rd (Quiz #6), Friday, April 10th (Exam #3), and Friday, April 17th (Quiz #7). The final exam is on Wednesday, April 29th at 8AM. Barring class consensus or university-mandated emergency conditions, these dates will not be changed.

Special needs: Any scheduled absence during a quiz or examination, or any other special needs, *must* be brought to my attention before Wednesday, January 14. Unscheduled absences will be handled on a case-by-case basis, with exceptions generally made only for documented emergencies.

Calculators: Calculators are unnecessary for any in-class work, and may not be used on quizzes or examinations. Calculators will also be unnecessary for most homework problems, but may be used at your discretion. For any calculation more complicated than the evaluation of functions, you are expected to show your work.

Honesty: There are many resources available to help you succeed in this class, including consultation during office hours, secondary textbooks, and cooperation with other students. It is important, however, that all papers handed in be the result of your individual comprehension of the course material. Duplication of others' work is both a disservice to your own education and a serious violation of the university's academic honesty policy.

Grades: Homework is ungraded and is provided for study purposes. Quizzes will be based on the homework problems, and will account for 20% of your grade. The three midterm examinations will each be worth 20%, and the comprehensive final examination is worth 20%. A 90% overall guarantees a grade of A–, 80% guarantees a B–, and 70% guarantees a C–.

Changes: The syllabus is subject to change. Changes will be announced in class and updated online.