

Math 1210-1

Calculus I

Spring 2011

Instructor: Andy Thaler

Office: LCB loft (4th floor of the LeRoy Cowles Building on President's Circle)

Office Hours: Wednesdays 8:30-9:30 a.m.
Or by appointment

Class Meeting Time: MTWF 7:30-8:20 a.m. in JWB 335 (John Widtsoe Building)

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Note: There will be no class on Monday, January 17 (Martin Luther King Jr. Holiday); also, there will be no class on Monday, February 21 (Presidents' Day). Spring break is March 21-26.

Text: *Calculus with Differential Equations*, 9th edition, by Varberg, Purcell, and Rigdon. It is strongly recommended that you read the sections of the textbook that will be discussed in lecture before coming to class. This will help you to get a grasp of the content that will be covered. I understand that it may not always be possible to read the book before class; in this case, I strongly encourage you to read the textbook after the lecture. We will cover the material in sections 0.6-0.7 and all of chapters 1-5 (with some minor exceptions).

Prerequisites: “ ‘C’ or better in MATH 1050 AND MATH 1060 OR Math ACT score of at least 28 OR Math SAT score of at least 630 OR AP Calculus AB score of at least 3 Fulfills Quantitative Reasoning (Math & Stat/Logic).”

Course Description: “Functions and their graphs, differentiation of polynomial, rational and trigonometric functions. Velocity and acceleration. Geometric applications of the derivative, minimization and maximization problems, the indefinite integral, and an introduction to differential equations. The definite integral and the Fundamental Theorem of Calculus.”

Homework: Homework assignments will be given on a weekly basis (usually given on Friday and due the following Friday). The homework will be graded based on completion and accuracy. It is IMPERATIVE that you show your work on homework problems, as this will help you present the solutions in an organized, accurate fashion, as well as give me the opportunity to award partial credit. If no work is shown, no credit will be given. NO LATE HOMEWORK WILL BE ACCEPTED. That is, all homework needs to be turned in to the instructor by the end of class (8:20 a.m.) on the due date. Your lowest two homework scores will not be included in the computation of your final grade.

Practice Problems: A great way to study for quizzes and exams (and to have fun on weekends) is to do some of the problems in the book that were not assigned as homework problems. There is a student solutions manual available that provides solutions to most of the odd problems in the book.

Quizzes: Quizzes will be given during most weeks of class and may or may not be announced. Your lowest quiz score will not be included in the computation of your final grade.

Exams: There will be three midterm exams and a final exam. The final exam will be comprehensive. If you must take an exam at a date other than the assigned date, I need to be notified BEFORE the exam; otherwise I reserve the right to give a score of 0 on that exam. The first exam will take place on **Friday, February 11**; the second exam will take place on **Friday, March 18**; the third exam will take place on **Friday, April 15**. The exams will be given during the normal class time. The final is scheduled for **Thursday, May 5, from 8-10 a.m.** in our classroom (JWB 335).

Calculators: Calculators are not allowed on quizzes or exams. You are free to use any calculator you like on homework, although for practice purposes I recommend that you perform most calculations and graphing by hand.

Grades: There will be no curving of the grades in this class, as I feel this leads to competition between students and can lead to unfair grade assignments. However, there will be many opportunities for extra credit given ONLY in association with homework, quizzes, and exams. Your grade will be computed with the following weights:

Homework: 25%

Quizzes: 10%

Exams: 35%

Final: 30%

The grading scale will be as follows (where usual rounding techniques are used, *e.g.*, 92.53% will be rounded up to 93%, whereas 92.4% will be rounded to 92%):

	87-89 B+	77-79 C+	67-69 D+	
93-100 A	83-86 B	73-76 C	63-66 D	0-59 E
90-92 A-	80-82 B-	70-72 C-	60-62 D-	

Tutoring: The Benny T. Rushing Math Center (located in the basement of LCB) offers free drop-in tutoring for students at the U. This is a wonderful resource! The hours of operation are Monday-Thursday 8-8 and Friday 8-6. They can also give you information about private tutors.

ADA Statement: “The University of Utah seeks to provide equal access to its programs, services and activities for people with disabilities. If you will need accommodations in the class, reasonable prior notice needs to be given to the Center for Disability Services, 162 Union Building, 581-5020 (V/TDD). CDS will work with you and the instructor to make arrangements for accommodations.” (www.hr.utah.edu/oeo/ada/guide/faculty/)