Math 1210-6   Calculus I   Spring 2012

Instructor: Andy Thaler

Office: JWB 206 (John Widstoe Building)

Office hours: Mondays 9-10 a.m. and Wednesdays 3:30-4:30 p.m. or by appointment

Class Meeting Time: MTWF 12:55-13:45 in AEB 340

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Textbook: *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 understand 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.

Prerequisites: "C" or better in (MATH 1050 AND MATH 1060) OR AP Calculus AB
score of 3 or better OR AP Calculus BC score of 3 or better OR Accuplacer CLM
score of 95 or better 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: In general, homework assignments will be given on a weekly basis (usually
given on a Tuesday and due the following Tuesday). 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 insufficient work is shown, full credit will not be awarded. NO LATE
HOMEWORK WILL BE ACCEPTED. That is, the homework needs to be turned in
to the me on the due date before I leave campus. Thus, I encourage you to turn in

your homework in class. Your lowest two homework scores will not be included in the computation of your final grade.

Practice Problems: A great way to study for 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.

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 BY THE END OF THE EXAM DAY; otherwise I reserve the right to give a score of 0 on that exam. The first exam will take place on **Friday, February 10**; the second exam will take place on **Friday, March 9**; the third exam will take place on **Friday, April 13**. The exams will be given during the normal class time. The final is scheduled for **Friday, April 27, from 1-3 p.m.** in our normal classroom (AEB 340).

Calculators: Calculators are not allowed on exams. You may use a calculator on your homework; however, I suggest you perform most calculations and graphing by hand for practice purposes.

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

Homework: 35%

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/)

Important Dates

Monday, January 16: Martin Luther King Jr. Holiday–No class

Wednesday, January 18: Last day to drop classes

Monday, January 23: Tuition due

Friday, February 10: First exam

Monday, February 20: Presidents' Day Holiday–No class

Friday, March 2: Last day to withdraw from classes

Friday, March 9: Second exam

Sunday, March 11: Daylight Savings Time begins (clocks move forward one hour)

Monday-Friday, March 12-16: Spring Break–No class

Friday, April 13: Third exam

Wednesday, April 25: Last day of class

Thursday, April 26: Reading day

Friday, April 27: Final exam from 1:00-3:00 p.m.

Tuesday, May 15: Grades available