

**Calculus I**  
**Math 1210, Section 1**  
**MTWF 7:30 A.M. – 8:30 A.M.**  
**JWB (John Widtsoe Building) 335**  
**Summer 2006**

**Instructor:** Michael Purcell  
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**Web Page:** [www.math.utah.edu/~purcell](http://www.math.utah.edu/~purcell)  
**Office:** LCB Loft  
**Office Hours:** MTWF 8:35 – 9:25 A.M. (subject to change)

Generally speaking, I am available for consultation whenever I am in my office. Please feel free to drop by outside of the regular office hours. Bear in mind, however, that while I may be on campus during the day, it is possible that I could be otherwise occupied. Thus, if you are unable to come to the regular office hours, and NEED to meet with me, it may be in your best interest to set up an appointment beforehand.

**Text:** Calculus, by Varberg, Purcell and Rigdon  
Eighth Edition, ISBN 0130811378

**Prerequisite:** Grades of C or better in MATH 1050 and 1060,  
or math ACT score of at least 28

**Tutoring:** The Rushing Math Center offers FREE drop in tutoring, a computer lab, and study areas for undergraduates. The Rushing Student Center is between LCB and JWB. The tutoring center will open for the semester on Wednesday, May 17. The hours of operation are 8:00 A.M.-8:00 P.M. Monday through Thursday, and 8:00 A.M.-6:00 P.M. on Friday.

This class is intended to be a first introduction to the ideas and techniques of basic calculus. In addition, a university calculus course is the traditional starting point for the transition from so-called lower-level and higher-level mathematics. These two factors combine to create something of a calculus mystique. Many students bring to the course preconceived notions that calculus is more difficult than the mathematics with which they are already familiar. In this, they are mistaken. What is true, however, is that this material is unfamiliar, and represents a different way of approaching the art of problem solving. Learning the subtleties of this approach requires time, patience, and dedicated thought. It is likely that study patterns that you have found effective in previous classes will prove less fruitful here. I suggest that when presented an assignment, you allow sufficient time to peruse the material at leisure, think carefully about what you have read, and only then attempt the exercises. Personally, I have found this approach to be most effective in my own studies.

**Holidays:** There will be no class on Monday, May 29; Tuesday, July 4; or Monday, July 24.

**Withdrawal Date:** Be aware that the last day to drop classes for fall semester is Wednesday, May 24. The last day to withdraw from term length classes is Friday, June 23.

**ADA Statement:** The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, cognitive, systemic learning, and psychiatric disabilities. Students need to contact the instructor at the beginning of the semester to discuss any such accommodations that they may require for this course.

## Grading

### Final Grading Scale:

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

**Homework:** 30%

WeBWorK assignments will be given weekly. There will be an explanation of how to use this system in class on Tuesday, May 16. If you are unable to attend this lecture it is your responsibility to learn how to use the system, either in consultation with me or on your own. It is of vital importance that we resolve any difficulties regarding the human/computer interface with WeBWorK well in advance because I am loathe to allow ANY extensions to the given deadlines. The first WeBWorK assignment will be due Friday, May 26 at 11:59 P.M. Due dates for subsequent assignments will be as detailed in the assignment descriptions, which are yet to be determined.

**Midterms (3):** 45% (15% each)

Three midterm exams will be given during the semester. These exams will be given on Wednesday, May 31; Wednesday, June 21; and Friday, July 21. You MUST bring a valid photo ID to the exams. Absence from an exam will be excused only if you can produce verifiable and convincing evidence that you have a significant illness or serious family crisis that will prevent you from attending. Except under extremely unusual circumstances, you must make arrangements with me well before the missed test, and you will be expected to take the exam prior to your absence.

**Final Exam:** 25%

The final exam will be administered on Friday, August 4 from 7:30 A.M. – 9:30 A.M. Make-ups for the final exam will be allowed in only the most extreme of circumstances. As with the midterm exams, you will be expected to take the exam before the regularly scheduled date. Please make any necessary arrangements with me well in advance. This will allow me to prepare the necessary alternative versions of the test.