

**Instructor:** Blerta Shtylla.

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**Phone:** 801-581-7653

**Course Website:** [http://www.math.utah.edu/~shtyllab/teaching\\_index.html](http://www.math.utah.edu/~shtyllab/teaching_index.html)

**Office Hours:** My office hour for this term is: *Thursday: 1:00-2:00 p.m.*. If you are unable to use the above time, you may make an appointment to see me (preferably via email).

**Text :** Calculus, 8th edition, by Varberg, Purcell, and Rigdon.

**Course Description:** Mathematics 1210 is an introduction to differential and integral calculus. In this course we will examine functions, limits, derivatives and integrals. We will also explore many applications of the tools learned in class to relevant real-world problems. Using different approaches we will solve problems which include rates of change, optimization and approximation methods, the calculation of lengths, areas and volumes. The main topics are listed below by chapter.

- Limits (Ch. 2)
- Derivatives and Applications (Ch. 3,4)
- Indefinite Integrals (Ch. 5)
- Definite Integrals (Ch. 5)
- Applications of Integrals (Ch. 6)

**Prerequisites :** The prerequisite courses for this class are: *Math 1050* and *Math 1060*. If you lack the prerequisites I urge you to come and talk to me asap.

**Grading Policy:** Grades are based on the following: **two (2) in-class exams** (25% each), **final exam** (25%), **homework and quizzes** (25%).

**Grading Scheme:**

- A 100-94, A- 93-90
- B+ 89-87, B 86-84, B- 83-80
- C+ 79-77, C 76-74, C- 73-70
- D+ 69-67, D 66-64, D- 63-60
- E 59-0

**Tests :** There will be **three (3)** in-class exams and a final during the semester. However, as noted in the grading policy only **two (2)** (dropping the lowest score) in-class exams will *count* towards your grade. I have listed tentative dates below. Test dates will be finalized and announced in class up to **two weeks prior** to each test. It is your responsibility to keep yourself updated on the finalized test dates.

**Test Dates:**

- **EXAM I** – February 2
- **EXAM II** - March 2
- **EXAM III** - April 6

**Final Examination:** The time and room for the final exam will be announced later in the course. You can also look up the date and location at :  
<http://www.sa.utah.edu/regist/pages/Fall2005FinalExamSchedule.htm>

**Alternative Test Dates :** There will be **NO MAKEUP EXAMS** except for exceptional circumstances (which will need to be accompanied by a doctors note).

**Homework:** All homework problems are listed in the Assignment Schedule. Every *Thursday*, I will announce in class the homework problems that you will need to turn in for grading. The graded problems will be picked from the already listed problems. Occasionally, the graded assignments might contain problems which are not already listed. Again it is your responsibility to make sure that you know what homework is assigned. Homework will be due the following Thursday at the beginning of class. Late assignments will *not* be accepted!

**Quizzes:** I reserve the right to give 10 min *pop quizzes* during this semester to attest your understanding of the material we are covering.

**Calculators:** Calculators are allowed in this course and can be used in class, on homework, and during tests. A graphing calculator is not required nor needed; a basic scientific calculator is enough.

The following buttons will be essential for a calculator to have in this course, in addition to the basic arithmetical operations.

**$e^x$  log ln sin cos tan**

Note however, that I reserve the right to ask you to solve problems *without* a calculator on quizzes or tests.

**Withdrawal Policy:** You may drop the course without penalty on or before January 18. You may withdraw from the course on or before March 3. Last day to reverse CR/NC is January 23.

**Nondiscrimination and Disability Access Statement:** The University of Utah is fully

committed to policies of nondiscrimination and equal opportunity, and vigorously pursues affirmative action in all programs, activities, and employment with regard to race, color, national origin, sex, age, and status as a person with a disability. Religion, sexual orientation, and status as a disabled veteran or veteran of the Vietnam era also are protected under nondiscrimination and equal opportunity employment policies. The University seeks to provide equal access to its programs, services and activities for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Students should call 801-581-5020 or 801-585-1813 (both are TDD). Evidence of practices not consistent with these policies should be reported to the Employee Relations/Dispute Resolution Office, 801-581-8365 (voice or TDD). If you require special accommodations under the ADA please inform me early in the semester.

**Disclaimer:** This syllabus has been created as a guide to the class and is as accurate as possible. However, all information is subject to change as class needs change. Any changes will be discussed during class sessions.

**Academic Integrity:** Plagiarism, cheating and other forms of academic integrity violations are serious matters and will be dealt with according to University policies. Such violations could result in a grade of (E) for the course or dismissal from the University. If you have questions or concerns about what constitutes plagiarism or if you have properly cited external material, please come talk to me.

**Additional Resources and Information:**

**Tutoring:** Math Tutoring Center (under the plaza between LCB and JWB).

**Hours:** 8:00 am - 8:00pm Monday through Thursday and 8:00 am - 6:00 pm on Fridays starting the second week of classes.

*Note: I strongly recommend making use of the above resource.*

**Math Library:** 1st floor JWB (N side of President's Circle)

**Math department website:** <http://www.math.utah.edu>

**Further notes:**

Many students find calculus rather challenging the first time they get introduced to the subject. The key to success in this class will be to practice, practice and practice! I do expect a certain level of *maturity* which implies that you will have to spend some *quality time* reading the *book* and *working out problems*. However, if you are having difficulties understanding concepts please do not hesitate to come and see me early on during the semester before it is too late!

