Math 124, Sections A&B, Spring 2010
Differential Calculus for single variable functions

Mathematics seems to endow one with something like a new sense -- **Charles Darwin**

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Teaching Assistants (TAs):

Quiz Sections	TA	Email
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About Math 124: This is a first quarter course in Calculus, focused on Differential Calculus of a single variable. Our goal is to master certain computational skills AND learn to use these tools to solve a variety of application problems. Please make sure you read the handout "A Note to Math 124 Students from the Department of Mathematics" (in the Course packet and on our course website.)

Materials:

- **Textbook** (required)**: Calculus I, vol. 1 (6th Edition), by James Stewart**
  This is a custom edition, available at the University Bookstore. There are two volumes: Volume 1 covers Math124/125, Volume 2 covers Math126/324. These two volumes make up the 6th edition, early transcendentals version of the hardback textbook. For this class, only volume 1 is needed.

- **Math 124 Course Packet** (optional). A packet with printouts of worksheets, supplements and selected old final exams can be purchased at the U Bookstore. This is available as a convenience and contains material you may download and print from the course website.

- **Calculator:** You will need a **scientific** calculator for Math 124 (one that has trigonometric functions, like *sin(x)* and *cos(x)*, as well as logarithms and exponentials). **Graphing calculators, or calculators that can differentiate are not allowed on quizzes and exams.** A graphing calculator is any device with a multi-line display that has the ability to graph mathematical functions.

Grades: Your grade will be made up of the following components ((*) = lowest grade is dropped from average) :

- final exam = 30%
- midterm 1 = 20%,
- midterm 2 = 20%
- quizzes = 10% total (*)
- homework = 15% total (*)
- worksheets = 5% total (*)

While grades may be adjusted depending on the class performance, the expected GPA correspondences are:
4.0 corresponds to a total of at least 93% of total points, 3.0 ~ 80%, 2.0 ~ 68%, 1.0 ~ 55%, 0.0 $\leq$ 50%

Exam dates:

Midterm I:	**Tuesday, April 27**	(in your quiz section, 80 minutes)
Midterm II:	**Tuesday, May 18**	(in your quiz section, 80 minutes)
Final Exam:	**Saturday, June 5, 1:30-4:20pm,**	place to be announced.

Office hours: Office hours are set times when you can speak to me or to any of the TAs without an appointment – you are encouraged to just drop by. My office hours (and your TA's) for this quarter will soon be announced and posted on the web page. We hope to see you at office hours!

Homework: This class moves very fast and requires a lot of homework to help you master the material. In order to do well, you are expected to study (**actively read your text and lecture notes**) and to do homework for about 15 hours a week <u>outside</u> of class. This is a lot of work, but it is necessary in order to master the subject! You are expected to read the appropriate chapters from the textbook in addition to coming to lecture. The lecture is intended to cover the most important aspects of the material -- but it is not meant to cover all the material you are expected to master.

        Your homework assignments are accessed, turned in, and graded on-line, using WebAssign. See the handout on WebAssign or link on the course website. Due dates are located on the class schedule on the course website. **All homework is due by 11:59pm on the day specified**. WebAssign will stop accepting homework after this time. You can begin working on the homework at any time. **No late homework is accepted, but we drop the lowest score at the end of the term in case you miss an assignment for some reason**.

Worksheets: Most *Tuesdays* in quiz section you will focus on solving a worksheet. **Print and bring your weekly worksheet with you to quiz section** (it is available online or in the course packet.) Some of the worksheets are used to introduce new ideas and methods that have not been covered in lecture, others give you practice with harder or longer problems. Treat the worksheets seriously as they help you learn how to think and write mathematics with your TA present to help you if you make a mistake. If you know how to do the problems, you should explain your reasoning to the others in your group. Each time, you will receive a score on the worksheet of 0, 1 or 2: If you attend your worksheet session and make an earnest effort on the worksheet, you will receive 2 pts. If you attend but leave early or do not participate actively, you will receive 1 point.
There are no make-up worksheets. Instead, we drop the lowest score when computing your worksheet grade.

Exams:
- Exams are cumulative. Midterms are 80 minutes long, while the final is 2hrs 50min long.
- One handwritten 8.5''×11'' sheet of notes is allowed during exams (double-sided).
- **Calculators: Graphing calculators, or calculators that can compute derivatives are NOT allowed on exams**. A simple scientific calculator is allowed (and will also be useful on some of the homework problems too). No other electronic devices are allowed.
- The **Final exam** is common for all Math 124 sections, and will be held on Saturday, **June 5**. It cannot be taken at a different time unless exceptional circumstances occur. If you need to take the final on a different date due to a serious, unavoidable, and documented reason, you will need to file a petition with the Math Department. Finals are never given earlier.
- **There are no make-up midterms**. If you have a *serious and unavoidable* reason for missing a test, speak to the professor about it as soon as possible, and your final exam might be weighed more heavily to account for the missing midterm score.

Academic Misconduct is a serious offense and it will not be tolerated in this class. Details of the University's policy on cheating can be found at: http://depts.washington.edu/grading/issue1/honesty.htm.

Additional Resources
- The **Math Study Center** (located in Communications B-014, with extensive hours of operation) is **a very good place for students in MATH 124/5/6 to come together and study, in groups or individually.** Tutors are available for occasional questions.
- To request disability accommodations, contact the Disability Services Office at least ten days in advance at: 206-543-6450/V, 206-543-6452/TTY, 206-685-7264 (FAX), or dso@u.washington.edu.
- The Student Counseling Center offers individual counselors and academic skills workshops on a variety of topics including **stress management, test anxiety, and time managemen**t to help you succeed at the University of Washington. If you suspect that any of these factors may affect your academic performance, I encourage you to take advantage of these resources early! A schedule of workshops is available at:
        http://depts.washington.edu/counsels/services/workshops/workshopstudy.html