Math 124, Section G, Autumn 2011
Differential Calculus for single variable functions (a.k.a. Calculus I)

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

Instructor: Dr. Alexandra Nichifor (**nichifor@u.washington.edu**, please specify "Math 124")
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Class Websites:

- **http://www.math.washington.edu/~m124/** (general Math Dept. website for all sections of Math 124)
- **http://www.math.washington.edu/~nichifor/124F2011.htm** (specific to our section: Math 124 G)

Teaching Assistants (TAs):

Quiz Section	TA	Email
GA & GB	Niket Thakkar	thakkar@uw.edu
GC & GD	Devin Light	lightd@uw.edu

Materials:

- **Textbook** (required)**: Calculus I, vol. 1 (7th Edition), by James Stewart**
  Note: The textbook is available at the UW bookstore. This is a portion of the hardbound text "Calculus, 7th Edition, Early Transcendentals" by Stewart. Either text will work. The custom version vol. 1 covers Math 124/5 at the UW. The custom version vol. 2 covers Math 126/324 at the UW.

- **WebAssign access code**: You can purchase this code bundled with the textbook at the bookstore OR you can purchase a standalone access code which contains access to the ebook (if you already have the textbook or locate a used copy). If you purchase the code and ebook at the bookstore it is around $100. You can also purchase the code and ebook directly from the publisher at this website for $70:
  http://www.cengagebrain.com/micro/uwmathcalc

- **Calculator:** You will need a simple, single-line, **scientific** calculator for Math 124 (one that has trigonometric functions, like *sin* and *cos*, as well as logarithms and exponentials). **Calculators that can graph, differentiate, or do symbolic manipulations are not allowed on quizzes and exams.**

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

- 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 95% of total points, 3.0 ~ 83%, 2.0 ~ 73%, 1.0 ~ 55%, 0.0 less than 50%

Exam dates:

Midterm I:	**Tuesday, October 25**	(80 minutes, in your quiz section)
Midterm II:	**Tuesday, November 22**	(80 minutes, in your quiz section)
Final Exam:	**Saturday, December 10, 1:30-4:20,**	room 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 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 <u>in addition</u> 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.

All homework problems are accessible and submitted online using WebAssign. Homework is NOT posted on the course website. Instructions for accessing WebAssign can be found on the class webpage. It is OK to work with others on the homework or to get help, but make sure that you understand well all the problems, that you write complete & clear solutions in a homework workbook you can review later, and that you are able to solve similar problems on your own. Keep this workbook to review for exams!

Homework assignments are due by 11:59pm on Tuesdays.

WARNING: WebAssign is often sensitive to how the answers are formatted. Review your answers carefully before submitting, including your capitalization of variables and your parentheses!

Worksheets: Most *Tuesdays*, you will focus on solving a worksheet. **Print and bring your weekly worksheet with you to quiz section** (it is available online at www.math.washington.edu/~m124/) **Do not solve the worksheet ahead of time**. 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, calculators that can compute derivatives, or that can do symbolic manipulation are not allowed on exams**. A scientific calculator is allowed (and will also be useful on some of the homework problems too). No other electronic devices are allowed. In particular, you might want to bring a watch since your cell phone must be OFF.
- The **Final exam** is common for all Math 124 sections, and will be held on Saturday, **December 10**. It cannot be taken at a different time unless exceptional circumstances occur. If you need to take a makeup final due to a serious, unavoidable, and documented reason, you need to file a petition with the Math Department. Leaving town early for the break is not a valid excuse. Finals are never given earlier.
- **There are no make-up exams or quizzes**. If you have a *compelling and unavoidable* reason for missing a test, speak to the instructor about it as soon as possible.

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 depts.washington.edu/grading/pdf/AcademicResponsibility.pdf

Additional Resources

- The **Math Study Center** (Communications B-014, http://www.math.washington.edu/msc/) is open to all students in MATH 124/5/6. It is a supportive place for students to come together and study, in groups or individually.
- To request disability accommodations, contact the Disability Services Office at least ten days in advance at: 206-543-8924 (Voice), 206-543-8925 (TTY), 206-616-8379 (FAX), or uwdss@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