Course Outline, MATH 124 E and F, Autumn 2008

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Office Hours: M, 1-2pm, PDL C-342
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Note: This is a custom edition. Get volume 1 if you do not intend to go beyond Math 125; else get both volumes.

Math 124 Homework/Worksheet Packet (recommended)
Both materials available at the Bookstore.

Course Websites: http://www.math.washington.edu/~m124/
                (Math. Dept. website for Math 124)
                http://www.math.washington.edu/~dumitriu/m124_au08.html
                (specific to 124E and 124F)

Syllabus: We will follow the Syllabus posted on the Math. Dept. website for Math 124 (see above), as closely as possible.

Grades: Based on homework, worksheets, quizzes, midterms and final, proportionally as follows:

WORKSHEETS: 5%, HOMEWORK: 15%, QUIZZES: 15%, 2 MIDTERMS: 15% each, FINAL: 35%

Homework: Assignments will be posted on the Math Department 124 website (see above); when you get to the website, click on the Outline of the specific week (e.g. week 3), and then on the weekproblems.pdf link (e.g. week3problems.pdf). Answers are provided so you can check your work—we expect you to fully justify your answers. Turning in the answers alone will not yield any points.

Homework is to be handed in each Thursday in your Quiz section. Two problems will be chosen randomly to grade, each will be worth 5 points, and there will be an additional 5 points for completion (each homework is worth 15 points). NO LATE HOMEWORK WILL BE ACCEPTED. The lowest homework score will be dropped.

Quiz sections: On Tuesdays and Thursdays you will meet with your TA in a smaller group. Take the opportunity to ask questions and get help. Each Tuesday you will have an 80-minute
section covering homework and a worksheet (as well as questions you may have), while during the Thursdays’ 50-minute sections you will be handing in homework and taking a 15-minute quiz, and then asking questions / discussing problems.

**Worksheets:** There will be an in-depth worksheet in your Quiz section each Tuesday (except on midterm and final weeks). They will be part of your grade.

**Quizzes:** There will be a 15-minute quiz each Thursday in the Quiz section (except on midterms and final weeks). They will cover the material of the preceding week, and will be similar to the homework problems. *The quiz will be closed-book.* The TAs will grade them and return them to you the next week. Scientific calculators will be useful; *no graphing calculators will be allowed.* The lowest quiz score will be dropped. There will be **NO MAKE-UP QUIZZES.**

**Midterms and Final:** There will be two Midterms and one Final exam, the dates being 10/21, 11/18, respectively 12/6. The Midterms will be administered on Tuesdays, in Quiz section. They are meant to take 50 minutes, but you can use the whole 80 minutes. The Final will be administered on the **Saturday** after the last day of class (this is **NOT** the date given in the University exam schedule!), between 1:30-4:20. Location TBA.

You must bring a **Photo ID** to all exams. You will be allowed one double-sided, handwritten 8.5 x 11 sheet of notes. Scientific calculators will be useful and allowed, while **graphing calculators are not allowed.**

**THERE ARE NO MAKE-UP EXAMS.** If you have a *compelling and well-documented* reason for missing a test, speak to the Instructor about it.

**What this course is about:** This is an introduction to differential calculus, to functions and derivatives, and to limits and continuity. There are two aspects to it: one is the calculus material itself, and the other is a focus on setting up and solving multi-step problems. This course is intended for students who will be using calculus in subsequent courses and throughout their careers. *It is intended to be considerably more challenging and in-depth than most high-school calculus courses.* Make sure you allocate plenty of time for doing homework and studying for the exams.

**Syllabus and homework due dates for the next couple of weeks.** During the first week (2 meetings) we will review Precalculus (Secs. 1.2-1.6), and then move on during the second week to parametric equations, tangent lines, and velocity (Sec. 10.1, Secs. 2.1-2.3). **Note the very fast pace.**

Make sure you read the supplementary materials on tangent lines and exponential modeling, respectively on parametric equations on the website (click on the links **Outline 1** and **Outline 2**) or in your Course packet.

Homework 1 is due on Thursday, October 2, and Homework 2 is due on Thursday, October 9, to be handed in at the beginning of your Quiz sections. The first (self-assessment) Quiz will be on Thursday, September 25. It will not count toward the grade. The first Quiz to count toward the grade will be on Thursday, October 2.