

**SYLLABUS  
MATH 125 D & E**

**INTERMEDIATE CALCULUS  
MWF 11:30 & 12:30**

**SPRING 2009  
SMITH 304**

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**Text:** Calculus, Volume 1, by James Stewart. (Custom UW edition) Available at University Bookstore. (Based on Calculus: Early Transcendentals, 6th ed.; if you have the 5th ed., go to [www.math.washington.edu/~m125/stewart6probs.php](http://www.math.washington.edu/~m125/stewart6probs.php) for the 6th ed. HW.)

**Math 125 Course Packet:** Available at University Bookstore.

**Math 125 Course Website:** <http://www.math.washington.edu/~m125/>

This is the Math Department's website for Math 125. Homework, sample quizzes and exams, and other comments and supplements are posted on this website.

The website also provides a schedule for the material covered in class (from the Stewart text) to which I plan to adhere pretty faithfully. Please read the sections in the text before the lectures in which they are covered (at least a light reading to become familiar with the topics), and then study the sections and your notes from lecture carefully after the lectures.

**Remarks on the course:** There are two main subjects in this course. The first is the calculus material. The second is a focus on problem solving, setting up and solving multi-step problems. This course is intended for students who will need calculus in their subsequent courses and in their careers. It is intended to be a much more challenging and in-depth course than most high school calculus courses. You should allocate plenty of time regularly for homework and studying for exams.

**Homework:** Homework will be assigned from each section that we cover in the text, together with some supplementary problems. Finish the homework problems from each section as soon as you can after the section is covered in lecture. You should finish the homework on each week's lectures (Monday/Wednesday/Friday) by the following Tuesday at the beginning of quiz section. The quiz will be written in the expectation of your having done so. Homework will be collected at the beginning of quiz section on Thursday (2 days later). No late homework will be accepted. A limited number of problems will be graded. The homework assignments are the ones posted on the course website. (Note: Homework needs to be done regularly, not just on Monday nights.)

You are encouraged to work other problems in addition (not to turn in). You are encouraged to work together on solving the homework problems, but in order to learn the most from doing the problems, you should write up your own solutions.

**Worksheets:** There will be an in-depth worksheet in quiz section each Thursday (except in midterm weeks). These worksheets are an essential part of your learning in the course.

**Quizzes:** There will be a quiz each Tuesday in quiz section. These quizzes are to help you pace your studying and are designed to be "warm-ups" for the exams (problems of similar style and difficulty as those on the exams). Do not expect to do well on the exams without keeping up and taking the quizzes seriously.

**Exams:** Midterm I: Thursday, April 23 in quiz section, covering through §6.3  
Midterm II: Thursday, May 21 in quiz section, covering through §8.1  
Final Exam: Saturday, June 6, 1:30-4:20 pm, covering the whole course

**Grading:** Midterm Exams: 20% each; Final Exam: 40%

Worksheets, Quizzes, and Homework: 20%

Course Grades: You will receive a decimal grade (for example, 3.8) for each exam and also for the combined worksheet/quiz/homework part of your grade. Your course grade will be the weighted average of these decimal grades.

Worksheets, quizzes, and homework sets will be graded on a scale of 0 to 5.

Participation is a very important aspect of these parts of the course. Your lowest score in each of these three categories will be dropped, and the remaining scores will be used to determine your grade on worksheets/quizzes/homework.

Notes: The Midterm Exams and the Final Exam are "limited open note": you may bring into Midterm Exams and the Final Exam one sheet (8.5 x 11) of notes (written on both sides if you want) in your own handwriting – **not** typed.

Quizzes are "closed book": no note sheets for the quizzes.

Calculators: A "scientific calculator" (capable of doing trig functions, exponentials, and logarithms) will be needed for exams and quizzes. No graphing calculators or programmable calculators are allowed for the exams and quizzes. A "scientific calculator" can be purchased for about \$10 if you need one.

**Math Study Center:** The Math Study Center is located in B-014 Communications.

Its hours are M-W 9:30am-9:30pm; Th 9:30 – 6:30; F 9:30am-1:30pm; Sun 2:00pm-6:00pm.

It is a great place to study math and work with other students, with help available when you need it.

### **Homework Information for week 1:**

To find this week's homework, go to the course web page, follow the link to Outline 1 and from there, the link to week1probs.pdf. The same procedure (with outline number duly modified) will get you to each week's assignment.

The first set should be finished by Tues., April 7 and turned in Thurs., April 9.