

CALCULUS II: Math 125 E - Fall 2009

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Office Hours: MW 1:30 - 2:30 pm, F 12:30 - 1:15 am. You are welcome to drop by my office without an appointment during any of these times.

Text: *Calculus*, by James Stewart, 6th Edition. Note: We're using a custom edition of Stewart's *Calculus*, available at the University Bookstore. There are two volumes: Volume 1 covers Math 124/125, Volume 2 covers Math 126/324. For this class, only volume 1 is needed (If you have a full version of the 6th edition containing both volumes that works as well).

Other Materials: The Math 125 Course Materials can be found at: www.math.washington.edu/~m125/
You can also purchase a course packet from the UW Copy Center in Communications B042.

Course Objectives: This course will introduce you to integral calculus. We will study the integral and its applications. A lot of what we will do amounts to Math 124 in reverse.

Grading: The weight for each part of the course is given below. An example to show you how to compute your grade is also given.

example student percentages

Category	Weight	Your Percentages	Your Scores
Worksheets and Test Prep (Complete Tues and Thurs)	5	90%	= 4.5
Homework (Due Wednesdays at Lecture)	12	85%	= 10.2
Midterm 1 (THURS, Oct. 22)	25	78%	= 19.5
Midterm 2 (THURS, Nov. 19)	25	90%	= 22.5
Final Exam (SAT, Dec 12)	33	86%	= 28.38
Total	100		= 85.08

This example student would get a 85.08 out of 100 for the course which is approximately a 3.0 on the current grade scale (the grade scale can be found on my website and is subject to change).

Lecture: Lecture is on Monday, Wednesday, and Friday. You will be held responsible for all information that is discussed during lecture.

Quiz Sections: You will have quiz sections on Tuesday and Thursday with a teaching assistant (TA).

Tuesday (50 minutes): You will discuss homework. It is vital that you attend and ask questions. On most Tuesdays, you will start by completing a old exam problem as a "test prep". You will be graded on participations and completeness. These points will be included as a small part of your worksheet grade.

Thursday (80 minutes): You will complete worksheets that supplement and reinforce the course material. **You must print off and bring your own copy of the worksheet.** The TA will travel around the room to answer questions about the worksheet. *The worksheets must be turned in during quiz section on Thursday, you cannot turn them in without physically being at quiz section and participating.*

Be respectful to your TA. Your TA is a student as well. Many of them are taking hard classes, preparing for doctoral preliminary exams, and/or working on writing 100 page dissertations. In addition, they are paid less than many of you are paid by your summer jobs. Before you criticize your TA, you should ask yourself what you would do in their position. The point is: Help them out by bringing good questions to quiz section and make sure to thank them for the time they are giving you.

Homework: Homework will be assigned weekly in lecture and will be **collected at the start of Wednesday's lectures.** Please see that calendar and homework schedule on the website for more details.

Exams: The midterms will be 80 minutes long and will be given at your usual quiz section classroom. The Final Exam is cumulative and will be held on Saturday, December 12th at 1:30pm-4:20pm (the location will be announced later in the course).

Calculators and notes: You will need a scientific calculator for Math 125. It must have trigonometric functions, like Sin and Cos, as well as logarithms and exponentials (ln and exp). **GRAPHING CALCULATORS ARE NOT ALLOWED** on quizzes and exams in Math 125. A graphing calculator is any device with a multiline display that has the ability to graph mathematical functions. See your TA before the first midterm if you are not certain if your calculator is acceptable. A single, **hand-written** 8.5 x 11 inch sheet of notes is allowed during exams. You may write on both sides.

Make-Ups: *Late homework and worksheets will not be accepted for any reason.* You will be allowed to miss one homework assignment and one worksheet without penalty to your grade. In case of observance of religious holidays or participation in university sponsored activities, arrangements must be made at least 2 days in advance for worksheets and 1 week in advance for exams. You will be required to provide documentation for your absence. *Make-up exams will not be given.* If you miss an exam due to **unavoidable, compelling, and well-documented** circumstances, your final exam will be weighted more heavily.

Special exemption: If you have a fever and believe you have the flu, please stay home and email me immediately to advise me of your absence (as long as you contact me as soon as possible, you do not need a doctor's note).

Class Philosophy: There are two vital rules for success in my classroom.

1. THE HOMEWORK IS THE KEY: In mathematics, breakthroughs in learning rarely occur while reading the text or attending lecture. Mathematics is truly learned when you completely solve a problem AND understand the underlying concepts and tools so as to be able to apply them to related problems. The lecture, tutorial sessions, and office hours are valuable tools in guiding you towards learning and discovery, but ultimately the concepts and solutions must be absorbed, understood, and applied by you alone. Treat each problem as an exam question and ask yourself, "Can I answer this question without any help and do I understand the underlying principles that this problem conveys?" If your answer is no to either of these questions, then you need more studying and practice.

2. ASK FOR HELP: Most students will hit a wall at some point during the course. Some can't handle the large workload, while others find difficulty with specific concepts in the course. When these times arrive remember to ask for help. Come to your T.A., come to me, ask your classmates for help, visit the math study center and/or visit the student counseling center. These are just a few of your options. Please, please, please find help earlier rather than later. You are all smart enough to do well in this course, the question is whether or not you are determined enough.

Resources:

- A link to the class website can be found at: <http://www.math.washington.edu/~aloveles/> You will find homework assignments, review sheets, grade information, a calendar for the term, and various bits of other useful information there, including past exams and quizzes, TA information, etc.

- The Math Study Center (Communications B-014) is open to students in Math 125. The Center provides a comfortable place and a supportive atmosphere for students to come together and study, in groups or individually. The center is staffed by TAs and instructors. See <http://www.math.washington.edu/~perkins/MSC/> for more information.

- The Center for Learning and Undergraduate Enrichment (CLUE) holds drop-in tutoring sessions every weekday evening in Mary Gates Hall Commons. See <http://depts.washington.edu/clue/> for more details.

- The University of Washington is committed to providing access, equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodation 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 provides academic skills workshop on a variety of topics including stress management test anxiety and time management to help you succeed at the University of Washington. If any of these is an issue for you, check out the schedule of workshops at <http://depts.washington.edu/scc/studyskills.html> .