

CALCULUS II: Math 125 A & B - Fall 2023

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Office Hours: M/W 12:30 - 2:00pm in CMU 228 and I am available to meet briefly outside our lecture hall before my first lecture (9:10-9:30am) and after my second lecture (11:20-11:40am).

Texts: The only **required** material is a webassign access code which goes with the textbook, *Calculus*, by James Stewart, 8th Edition. See links on our course website for more details.

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.

Category	Weight	example student percentages	
		Your Percentages	Your Scores
Worksheets/Test Prep (Complete Thurs)	3	90%	= 2.7
Homework (Due Wednesdays)	12	90%	= 10.8
Midterm 1 (THUR, OCT. 19)	25	78%	= 19.5
Midterm 2 (THUR, NOV. 16)	25	90%	= 22.5
Final Exam (SAT, DEC. 9)	35	86%	= 30.1
Total	100		= 85.60

This example student would get a 85.60 out of 100 for the course which is approximately a 3.0 on my estimated grade scale (see the course website). The expected, and departmentally required, median grade for the class is 2.9, so if you want a grade better than 2.9, then you need to score higher than half of your classmates. A grade of 2.0 is needed to move on to other courses that require Math 125. Typically, you need to do well on homework and average above 65% on your exams to get a grade above 2.0. Typically if you score below 50% in the course, then you will get a grade of 0.0.

Homework: Homework assignments will be assigned and collected via Webassign. Please log into webassign through our Canvas page.

Homework will generally close at 11:00 pm on Tuesday nights (see the course calendar for specific due dates). Make sure to log onto Webassign as soon as possible and attempt the first several homework problems to make sure you understand how everything works. Please note:

- Assignments are typically visible 7-10 days before they are due. You should **plan to complete all assignments at least two days before they are officially close!** Most students get above 95% on homework and a good student also completes assignments at least 2-3 days before they close.
- In order to account for any small issues of you forgetting a problem or incorrectly clicking on a multiple choice, at the end of the terms I will round up everyone's homework grade by 5% (but no one gets a grade above 100%).
- You can also request extensions for past due assignments automatically within Webassign for up to 3 days past the closing date, but there is a 15% penalty on any problems completed in this 3 day window.
- There are **NO** other extensions for any other reason whatsoever. I will **NOT** drop the late penalty for any reason whatsoever. Again, the expectation is that you complete the vast majority of homework at least two days before it closes.

Test Preps: Test Preps are short participation based quizzes we may have on some Tuesdays in quiz section. These will be graded on participation.

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

Tuesday (50 minutes): You will discuss homework questions. It is vital that you attend and ask questions.

Thursday (80 minutes): You will complete worksheets that supplement and reinforce the course material. **You must print off or download 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.

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 9th from 1:30-4:20pm in the Physics and Astronomy Auditorium (PAA). Lecture B is in PAA 118, Lecture C is in PAA 102.

Make-Ups and Extensions: For homework you can request an automatic extensions up to 3 days after an assignment closes, but problems completed after the closing are assessed a 15% penalty. There are no other extensions for any reason. For exams, if you miss an exam due to an illness or emergency and you contact me, then your other exams will be weighted more heavily.

Calculators and notes: You will be allowed a **Ti-30x IIS Calculator (only this model)** and one 8.5 x 11 sheet (front and back) of **handwritten** notes for the exams. Other electronic devices will not be allowed. You may not share a calculator or a note sheet with another student on an exam.

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

1. THE HOMEWORK IS THE KEY: Mathematics is truly learned when **YOU** completely solve a problem yourself 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 question (or if you hesitate at all), 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. If you are still stumped send me an email. Please, please, please find help earlier rather than later.

Resources for Students with Disabilities: If you have already established accommodations with Disability Resources for Students (DRS), please communicate your approved accommodations to me at your earliest convenience so we can discuss your needs in this course (if I have already been sent your accommodations, then you can expect an email from me with more info by the end of the first week of the quarter). If you have not yet established services through DRS, but have a temporary health condition or permanent disability that requires accommodations (conditions include but not limited to; mental health, attention-related, learning, vision, hearing, physical or health impacts), you are welcome to contact DRS at 206-543-8924 or uwdrs@uw.edu or disability@uw.edu. DRS offers resources and coordinates reasonable accommodations for students with disabilities and/or temporary health conditions.

Religious Accommodations: Washington state law requires that UW develop a policy for accommodation of student absences or significant hardship due to reasons of faith or conscience, or for organized religious activities. The UW's policy, including more information about how to request an accommodation, is available at Religious Accommodations Policy. Accommodations must be requested within the first two weeks of this course using the Religious Accommodations Request form.