

Calculus 208

Fall 2009

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Textbook: Calculus by James Stewart 6th edition
(We will start with some work with exponential and logarithmic functions from chapter 1 and 3.
Most of our work is in chapters 7, 8, 9, 11 and 12)

Note: Typically, I get messages left on e-mail sooner than those left on my phone.

	Monday	Tuesday	Wednesday	Thursday	Friday
7:45-8:40					
8:50-9:45	Math 208	Math 208	Math 208	Math 208	Research Day
9:55-10:50	Math 208	Math 208	Math 208	Math 208	
11:00-11:55	lunch	lunch	lunch	lunch	
12:05-1:00	Math 175	Math 175	Math 175	Math 175	
1:10-2:05	Math 175	Math 175	Math 175	Math 175	
2:15-3:00	office	office	office	office	
3:10-4:15					

If you need to see me at other times, please make an appointment.

In this class you will improve your integration abilities. You will use Calculus to solve “real world” problems, such as understanding a basic property of Black Holes in space and determining art forgeries. You will also learn some of the basics of the mathematics behind digitizing information.

Attendance: Students who do well in class almost always tend to have very good attendance. If you must miss a day, be sure to get the missed material from me or another person in class. It is a good idea to tell your instructors if you need to miss a class.

H1N1 Flu Statement: Based on information from the National Centers for Disease Control, UW-L is anticipating a potentially severe flu season. To help manage the spread of the flu, if you have flu symptoms (such as a cough, fever, body aches, nausea) PLEASE STAY HOME. Contact me via phone or email to let me know you are experiencing flu symptoms. All reasonable efforts will be made to help you keep up with class work. If I become ill, I will inform the class of any cancellations, alternate assignments, etc. via email.

Homework and Quizzes: Homework will be given most days. You should try to complete it that day and bring questions to class the next day. Do not skip the more difficult questions; those types often make excellent test questions. For additional help, come to my office, work with others or visit the Mathematics Learning Center (256 Murphy). There will be a 10-point quiz at the end of the period each Thursday unless a change is noted in class. About half of these quizzes will be take-home quizzes due at the start of class on Monday. The dates of take-home quizzes may be based partly on the flu situation. Thursday quizzes will cover material up to Tuesday of that week. There will be no makeup for missed quizzes or early quizzes given for any reason. If you are sick, you can e-mail me on Thursday. If it is a take-home quiz, I will e-mail a copy to you. To make up for a possible missed quiz, the lowest quiz grade will be dropped.

(About 80 points)

Writing Assignments: This course is part of the Mathematics Department’s Writing in the Major program. In Calculus II, students are expected to write the solution to a more realistic application of the mathematical from the course. Students will be expected to write an appropriate introduction to the problem, give a thorough explanation of their solution, incorporating mathematical notation into the English text, and write a conclusion in which they interpret their solution and relate it back to the original problem. Some of this work may include some very basic mathematical computer work. Grading will be based on both the mathematics and writing quality. I will also ask students to review some writing and look for ways to improve the work. Students will be graded on their review. More details will be supplied with the project(s). **No late work is accepted, but if you are sick, electronic versions may be an option.**

(Approximately 40-60 points)

Exams: There will be 3 in-class exams (100 points each). If an exam must be missed, arrangements need to be made prior to the exam time. (I need to OK the miss before the test time.) If an exam is excused, the final is usually counted for a larger part of the grade. Sometimes an earlier or later exam may be given (I will decide.). You need to contact me prior to an exam if you must miss. An unexcused missed exam (one I do not accept as excused) will count as a zero.

Tentative Exam Dates: (If a test date is changed, I will give you about 2 weeks notice.)

Thursday October 8,

Thursday November 5

Thursday December 10

Final: Comprehensive Final (150 points) **Saturday, December 19, 4:45 pm** (must be taken at this time)

Note: Most problems on tests and quizzes are graded with partial credit. You may have a different opinion on how many points should be awarded. This is a judgment call that I make as the instructor. The only way to avoid this would be to grade problems as simply right or wrong. If you do not understand how to do a problem from an exam or a test or don't understand why something was marked wrong, please come to see me. If you question a grade on a test or quiz, you should see me within two days of the test or quiz being returned.

Grading:

Percent*	Grade
91-100	A
89-90	AB
81-88	B
79-80	BC
70-78	C
	<i>You are probably ranking in the middle of the class and have mastered enough of the material to confidently move on to the next mathematics course in the sequence.</i>
60-69	D
Under 60	F

I try to return tests and quizzes the class period after it was given. If you miss class when something was returned, you should ask for your materials. Please keep all quizzes and exams so that you can use them to study from. Write corrections for your quizzes on the back side and keep test keys that are handed out.

Please take advantage of sources of additional help when needed.

- Solution manuals for the text are on reserve at the library under my name.
- Free tutoring help is available at the Mathematics Learning Center in 256 Murphy Library. A schedule is posted on line.
- You are welcome to come to my office hours or make an appointment to see me at other time.
- I will e-mail you at times with additional information or notes on new postings to the class web page.
- You can stop by the Math Department office 1020 Cowley Hall for a private tutor list. You would need to pay for these tutors.
- If you still tend to freeze up on quizzes and exams, try seeing someone at **Counseling and Testing**.

Expectations and Rules for this Course:

- For success in this class it is important to **keep up to date with your homework**. If you miss class one day, please contact a classmate for your missed homework. If you miss more than one day in class, please e-mail me so that I know why you are missing and can give you information you may need.
- **Expect to spend about 8 hours per week outside of class working on this class.**
- **Calculators, computers and other technical devices are not allowed on quizzes and exams.** Calculators are needed for some homework. A calculator with exponential and logarithm keys as well as trigonometric keys is needed.
- **Turn off all cell phones** before coming to class. Also, all music or other entertainment should be turned off before coming into class.
- Come to class on time each day.
- **Do not eat in class.** You are welcome to bring in water or a soft drink if you wish.
- **If you have any special needs or concerns for this class, please feel free to see me.**

Any student with a documented disability (e.g., physical, learning, psychiatric, vision or hearing, etc.) who needs to arrange reasonable accommodations must contact the instructor and the Disability Resource Services Office (165 Murphy Library) at the beginning of the semester.

Note: Students who are currently using Disability Resource Services will have a copy of a contract that verifies they are qualified students with disabilities who have documentation on file in the Disability Resource Services Office.

Advice to help you in this class:

After each assignment, pick 2 - 4 problems from the section that you believe best represent the material. (If you could do these, you should be able to do most problems from that section.) On one side of a notecard write down the problem (with no reference to the section) and on the other side write down the answer and the section and problem number. When it is exam time, you have now created a good review. You can mix up the order of the problems and rework them. When you check the answers, you know what sections to go back to for the ones you missed. If you struggle in class, try more problems in each section for the review. Many students have found this helpful.

Take advantage of help that is available to you (see last page).

Do you seem to do well on homework and freeze on exams? Try doing at least 5 – 10 homework problems at a time before checking the answers in the back of the text. The more problems you do and redo, the more confident you will probably become. When you do a problem incorrectly, think about the error that was made and why it did not work. If you still tend to freeze up on quizzes and exams, try seeing someone at **Counseling and Testing**. People in that office have helped other students I have had.

Don't let a job (paying minimum wage) or other outside activities cause you to need to retake a class. Keep in mind the cost of retaking classes (both in time and money) and the value of a good transcript when you look for your first job after college. Your transcript is the first thing most potential employers will see. You need to decide what gets your first priority on time when your time to do everything gets tight.

Don't skip class. You miss important material and give the professors a bad impression. That impression stays when they are deciding final grades for borderline students and when students ask for letters of recommendation.

If you drink, don't drive. If you drink, don't let yourself get drunk. Many college students have drinking problems. Don't let yourself be one of them and try to take care of your friends as well.

This sheet must give you the rules and facts for the course. I do hope you enjoy this class. My goal is that you gain strength in your mathematical ability and insight on mathematics as a science. We will talk from time to time about the research of mathematics and newer discoveries and their applications. I hope you enjoy the class and find it valuable.