

MTH 164 Syllabus

Summer 2021

My Contact Information

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Overview

In this class, we will cover the last five chapters of Stewart's *Calculus* book. We will begin by learning the basics about three dimensional coordinate systems and vectors and end by learning the very exciting Stokes' theorem. Along the way we will develop the geometric intuition and practice necessary to do calculus in three dimensions and higher. **To be successful in this class, you absolutely must have either a physical or digital copy of this book.** Both the 8th and 9th editions are acceptable. If you are having trouble obtaining a copy of the book, please contact me.

The class will be accessible both in real time, and asynchronously. We will officially meet four times a week, on Monday, Tuesday, Wednesday, and Thursday from 9:00am to 11:05am, Rochester time (or UTC -4).

The lectures will be recorded and uploaded to Blackboard. Students who do not come to lectures will be expected to watch the recordings on their own time.

I will be available during office hours after class to go over extra example problems and answer questions about the lectures. I will also set aside early morning office hours each day to accommodate students in different time zones. The exact times for these extra hours will be determined based on students' needs. We will cover approximately 2 or 3 sections each class day with some days set aside for review.

If you need additional help, or want to talk one-on-one, we can schedule a time to meet outside of the regular class times.

Grading Breakdown

There will be two midterms and a final in this class. Each midterm will be worth 28% of your total grade. The final will have two parts: A and B. Part A will cover a mix of the material covered in midterms 1 and 2. Part A will replace your lowest midterm grade (if you score higher on this part) and is optional. Part B will cover exclusively chapter 16. Part B is not optional and will also be worth 28% of your final grade.

In addition to the exams, you will also be assigned homework from Webwork each week. Webwork will be worth 10% of your total grade. I will drop your lowest Webwork assignment.

The remaining 6% of your grade will be a participation grade. Each week, you will receive a maximum of 8 participation points. You can get your participation points in various ways. You can come to class and answer or ask at least one question, you can submit written solutions to suggested practice problems that will be given at the end of each class, or you can come to office hours with questions outside of class time.

Grading summary

- Midterm 1: 28%
- Midterm 2: 28%
- Final Part A: Will replace lowest midterm grade if higher than one midterm score.
- Final Part B: 28%
- Webwork: 10%
- Participation points: 6%

Note about final grades: Final grades will *not* be based on strict percentage cutoffs or curves. Instead, they will be decided at the end of the semester depending on the distribution of the grades.

Materials for this class

To take this class, you **must** have access to:

- A working webcam
- A microphone
- A scanner or camera (such as a smartphone camera)
- A reasonably stable internet connection
- A quiet place to take exams undisturbed
- A copy of the textbook.

All exams will be closed book and closed note. You will be taking the exams on camera with your hands in full view of the camera so it is absolutely necessary that you have a working webcam.

Academic Honesty Policy

- All assignments and activities associated with this course must be performed in accordance with the University of Rochester's Academic Honesty Policy. More information is available at: www.rochester.edu/college/honesty.

- Be advised on the Mathematics Department's statement on online resources: Any usage whatsoever of online solution sets or paid online resources (chegg.com or similar) is considered an academic honesty violation and will be reported to the Board on Academic Honesty. In particular, any assignment found to contain content which originated from such sources is subject to a minimum penalty of zero on the assignment and a full letter grade reduction at the end of the semester (e.g. a B would be reduced to a C). This applies even if the unauthorized content was obtained through indirect means (through a friend for instance) and/or the student is seemingly unaware that the content originated from such sources. If you have any questions about whether resources are acceptable, please check with me (your instructor).
- All exams will take place online, proctored via Zoom. Besides the exam itself on Gradescope and the Zoom proctoring call, no other resources may be used, electronic or otherwise. In particular, calculators, notes, textbooks, and the course webpage are all strictly forbidden. Detailed instructions and honesty policy will be included with each exam; you are responsible for reading and following these policies as well.

Makeup Policy

Makeup exams will only be given to students with extreme, unavoidable circumstances such as medical emergencies or the death of an immediate family member. In the case of such a situation, I may ask for documentation of an emergency such as a doctor's note.

Similarly, extensions for the Webwork homework will only be granted in the case of emergencies.

Disability Support

The University of Rochester respects and welcomes students of all backgrounds and abilities. In the event you encounter any barrier(s) to full participation in this course due to the impact of disability, please contact the Office of Disability Resources. The access coordinators in the Office of Disability Resources can meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations. You can reach the Office of Disability Resources at: (585) 275-3424; Taylor Hall. Or, visit <http://www.rochester.edu/college/disability/index.html>.

Please note that to be granted alternate testing accommodations, you (the student) must fill out forms with Disability Resources at least seven days before each and every exam. These forms are not sent automatically. Instructors are not responsible for requesting alternative testing accommodations at CETL or making accommodations on their own.