

Exams

I will do my best to write tests to assess your understanding of the material covered. For some exams, I may curve the grade in your favor. A single side of a sheet of notes and a calculator are usually allowed for exams. The sheet of notes typically cannot include worked out example problems. All tests must be taken in the regular classroom at the scheduled times. I will replace your lowest test score with your final exam score if it is better. If your final exam score is lower than all four regular tests, then no adjustments will be made. The final exam will be held on Thursday, December 16, from 3:00 – 5:00 p.m. This exam must be taken at this time unless approved in writing by the Dean.

Participation and attendance

I will count actively participating in class as 10% of your grade. During class I will often give problems for you to work on in groups. I may also at times ask students to present problems on the board to the class.

Cheating The first occurrence will result in a zero being recorded; the second will earn the student an F in the course.

Where to get help

Since this is mathematics, you will probably get stuck often. Don't panic, this is all part of the learning process. You will likely need a support group which may include other students or tutors. The Learning Center has tutors available and is located in MRC 332. I also encourage you to make use of my office hours – please feel free to stop by any time!

Course Goals and Objectives

Because this course may be taken as part of the General Education requirements, the specific General Education Core Abilities are listed:

- (a) Thinking: Students engage in the process of inquiry and problem solving.
 - Review differential Calculus.
 - Understand the definite integral and the fundamental theorem of calculus.
 - Understand indefinite and improper integrals.
 - Apply techniques of integration to solve integrals.
 - Use definite integrals to solve problems related to areas, volume, arc length, and miscellaneous problems in the sciences.
 - Model phenomena in the sciences using differential equations.
 - Solve basic differential equations numerically and algebraically.
 - Understand sequences and series, and the concept of convergence.
 - Learn the convergence tests for series.
 - Explore the power series or Taylor series for a function, and their uses.
- (b) Ethical Decision Making: Students respond to ethical issues, using informed value systems.
 - Understand how academic honesty in mathematics requires deductive reasoning.
 - Students honestly challenge themselves to understand the material.
 - Practice academic honesty in mastering the material for the course on one's own without cheating.
- (c) Communication: Students speak and write to suit varied purposes, audiences, disciplines, and contexts.
 - Communicate solutions to problems in writing on assignments, quizzes, and exams, using appropriate mathematical language and format.
 - Give oral presentations on mathematical concepts.
 - Read text and reference materials outside of class.
 - Actively listen and interact with the instructor and other students during course lectures.
 - Use calculators to solve problems and communicate solutions.

Americans with Disabilities Act (ADA):

If you have a diagnosed disability and require services or accommodations for this class, please inform me and Jane Eddy, the disabilities (ADA) coordinator (MRC 332; 796-3194) within 10 days to discuss your needs