MATH 2550 Syllabus

Introduction to Multivariable Calculus, Section A, 2 credit hours

Fall 2026

Instructor Information

Instructor: Dr. Chris Jankowski

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Office: Skiles 261

Office Hours: Tentatively, Mondays 2:00-4:00 PM and Tuesdays 1:00-3:00 PM

General Course Information

Description

The essential topics of the course are vectors in three dimensions, curves in space, functions of several variables, partial derivatives, optimization, and integration of functions of several variables.

Course Learning Outcomes

Prerequisites

Concepts from algebra, precalculus, differential calculus, integral calculus, and linear algebra are fundamental building blocks for the course. As just one example, solving a problem in Math 2550 may require the student to apply integration by parts. The prerequisite courses are listed on the School of Math website.

Required Course Materials

Students are not required to purchase any materials for this course, but students have the option of purchasing Thomas' Calculus, which will be available for purchase through Canvas when the course begins.

Grading Policy

This course will have homework, quizzes, exams. We plan to take a grade for studio participation as well. We tentatively plan to hold three exams, and there will be a final exam at the time designated by the Registrar.

Description of Graded Components

After all grades are in and all overall percentage scores for students have been computed using the weights described above, grades are assigned. The standard cutoffs are as follows.

A: [90%, 100%] B: [80%, 90%) C: [70%, 80%) D: [60%, 70%) F: [0%, 60%)

So, to guarantee an A, get 90% or better overall. (90 means 90, not 89.9)

To guarantee at least a B grade, get 80% or better overall, etc.

These cutoffs might be adjusted, but only in the downward direction (to make letter grades higher). In the event of a curve, only your final overall percentage grade for the course will be curved. Individual assessments will not be curved as we go along.

Course Policies

Attendance and Participation

Students are expected to come to class and engage with the material. Class disruption will not be tolerated.

Academic Integrity

Georgia Tech aims to cultivate a community based on trust, academic integrity, and honor. Students are expected to act according to the highest ethical standards. Review Georgia Tech's Honor Code and the student Code of Conduct.

Any student suspected of cheating or plagiarism on a quiz, exam, or assignment will be reported to the Office of Student Integrity, who will investigate the incident and identify the appropriate penalty for violations.

Any evidence of violations of the Georgia Tech Honor Code will be submitted directly to the Office of Student Integrity, including but not limited to:

1. Using a calculator, books, or any form of notes on quizzes or tests. Use of cell phones is not allowed on quizzes or exams. Putting a cell phone on your desk, or on your lap, or in sight at all, will result in a zero. Ear buds and headphones are also not allowed and can result in a zero.
2. Using Chat GPT (or any AI / LLM) on any assessment or copying directly from any source, including friends, classmates, tutors, internet sources (including Wolfram Alpha), or a solutions manual.
3. Allowing another person to copy your work.
4. Taking a test or quiz in someone else's name, or having someone else take a test or quiz in your name.
5. Asking for a regrade of a paper that has been altered from its original form.
6. Communicating with another student in any manner regarding any quiz or exam during the time period when the assessment is available.

Accommodations for Students with Disabilities

If you are a student with learning needs that require special accommodation, contact the Office of Disability Services (404-894-2563) as soon as possible to make an appointment to discuss your special needs and to obtain an accommodations letter. Please also e-mail me as soon as possible in order to set up a time to discuss your learning needs.

Student-Faculty Expectations Agreement

At Georgia Tech, we believe that it is important to strive for an atmosphere of mutual respect, acknowledgement, and responsibility between faculty members and the student body. The Student-Faculty Expectations articulate some basic expectations that you can have of me and that I have of you. In the end, simple respect for knowledge, hard work, and cordial interactions will help build the environment we seek. Therefore, I encourage you to remain committed to the ideals of Georgia Tech while in this class.

Core IMPACTS

Not applicable to this course.

Campus Resources for Students

Undergraduate Student Academic Success Resources

A list of resources for undergraduate students' academic success and information about advising can be found at Success at Tech

Graduate Student Academic and Professional Success Resources:

A list of resources for graduate students is given on the Office of Graduate and Postdoctoral Education website. Specific information for current graduate students includes

- Academic Resources such as the Communications Center, Language Institute, Library, Catalog, Registrar, resources for conducting research, Advocacy and Conflict Resolution resources, and how to manage unexpected situations that may impact your academic performance;
- Student Resources such as Campus Services, Child Care/Family programs, Health & Wellness, Career Services, and the Student Resource Guide; and
- Professional Development such as the programming from the Career Center and other professional development resources and events

Student Well-Being:

At Georgia Tech, we are concerned about your overall physical, social, and mental well-being. A comprehensive list of wellness related resources has been compiled and maintained by the Office of the Vice President for Student Engagement and Well-being.