Calculus 1, Mathematics 2413, Section 006
Fall 2026

Instructor: Dr. Minh Lam Nguyen
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Course Schedule: Class meets in RBN 4027 MoWeFr 10:30AM-11:45AM

Course Website: You MUST activate your Canvas account. To do so, go to `https://uttyler.edu/canvas`. This is also the address to login. If you are registered in the course, you already have access to the course. All important documents will be posted on Canvas.

Office hours: 11:45 AM - 12:45 PM MoWeFr in RBN 4010 (or by appointment)

Required Text: Calculus Volume 1 from OpenStax (Digital ISBN-13: 978-1-947172-13-5). This is an open-access textbook, meaning it is freely available at the following link: `https://openstax.org/details/books/calculus-volume-1` You can read the book online, or download PDF, iBooks, or Kindle versions of it. If you prefer to have a print copy, you can purchase one. At the OpenStax website listed above, there is a link to order a print copy.

Course Description: The primary topics in this course are functions, limits, derivatives and their applications, and introduction to integrals and antiderivatives. The relationship between algebra (functions and formulas) and geometry (graphs) is a running theme. You are expected to train and build generalized problem-solving and critical thinking skills throughout the course. The course will emphasize on active learning. The only way to get better at math is to do math.

Course Prerequisites: Satisfactory math score on SAT, ACT or THEA and "C" or better in MATH 1316, or passing score on departmental trigonometry test, or "C" or better in MATH 2312.

Course Outline: Chapters 1-5 of the text and other chapters, in part or in full, as time permits

Student Learning Outcomes: Upon completion of this course, students should be able to do the following:

- Understanding properties and behavior of important types of functions
- Calculating and interpreting limits of functions
- Calculating and interpreting derivatives of functions
- Undersetanding the meaning of the derivative in applications
- Use derivatives to solve optimization problems and other applications
- Using derivatives to find graphs of functions and vice versa
- Calculating and interpreting integrals of simple functions

Approximate Course Schedule:

Quiz 1	Friday, August 28
Quiz 2	Friday, September 4
Quiz 3	Friday, September 11
Quiz 4	Friday, September 18
Exam 1	Friday, September 25
Quiz 5	Friday, October 2
Quiz 6	Friday, October 9
Quiz 7	Friday, October 16
Quiz 8	Friday, October 23
Exam 2	Friday, October 30
Quiz 9	Friday, November 6
Quiz 10	Friday, November 13
Quiz 11	Friday, November 20
Final Exam	Monday, December 9 (10:15 AM - 12:15 PM)

Grading: Scores will be posted on Canvas. After the end of the semester, final course grades will be available on `my.uttyler.edu`. A final course grade of 90% is guaranteed to be at least an A, a final course grade of 80% is guaranteed to be at least a B, a final course grade of 70% is guaranteed to be at least a C, and a final course grade of 60% is guaranteed to be at least a D. All grades below D will be F. The breakdown of your final course grade into categories is given below.

Quizzes: 40% total
Midterm exams: 10% each (there will be three)
Final exam: 30%

If you have any questions about the grading of a particular quiz or exam, you must contact me no more than one week after the day I return the graded assignment in class, whether you are present during that class or not.

Attendance: It is your responsibility to attend class. Attendance is mandatory. This means, among other things, coming to class on time and prepared. Before class begins, you should turn off cell phones and any other electronic devices. Students are responsible for all announcements made during lecture.

Homework: Homework will be assigned regularly from problem sets posted on Canvas and textbook. It is imperative that you work on the homework problems outside of class to gain mastery of the material discussed in class.

Quizzes: There will be a quiz given each week that there is not an exam. Quizzes will usually be given at the end of the class period. The quizzes will give you the opportunity to identify weaknesses before the next exam. Generally, the quiz will cover the material from the week's class periods but could utilize previous material also.

Exams: There will be 2 midterm exams and 1 final exam.

Exam policy: All electronic and smart devices must be turned off, placed facedown on the table while taking the exam. All hands must remain visible on the table surface during the exam session. If you fail to comply either one of these requirements during the exam session, you will receive an automatic 0 on your exam.

Final Assessment:. The final exam will be cumulative. The final exam is Monday December 7, 2026 10:15 AM - 12:15 PM.

Cell Phones: Cell phones are not permitted in class. You must silence them and put them away before class begins.

Calculators: Calculators will not be allowed on quizzes nor on exams. You will need to be proficient in fractions and basic computations. Many homework problems will need to be done without calculators. Study accordingly.

Absences: Make-ups for **documented** absences that are **required** as part of a UT Tyler obligation (e.g. athletes participating in an event, students participating in a debate contest, etc.) or for religious observation will be granted. For all make-ups of this type, prior notification of at least one week and documentation are required. Other make-ups are granted only in extreme cases and at the sole discretion of the instructor. Prior notification is still required. **Under no circumstances will make-ups be granted without prior notification.** Leaving early for a break is NOT grounds for a make-up, so please make your travel plans accordingly. In almost all cases, missed work will be assigned a 0.

Academic Integrity: Your work must be your own. Violations will be processed according to the established guidelines of the department, college, and university. Violations of academic integrity include, but are not limited to, cheating, fabrication, or plagiarizing. A range of academic sanctions may be taken against a student who engages in academic dishonesty. Below are ideas related to academic integrity.

Resources you are encouraged to utilize in this course include the textbook and unassigned problems, notes from class, assigned homework problems, your fellow Math 2413 students, the Math Learning Center, and your instructor. E-mail is the best way to contact me. I reply to email from 9:00 A.M.–4:00 P.M. Monday–Friday.

A note about a resource NOT allowed in this course: while the internet may be a valuable resource, using it to unethically acquire answers for your work will be considered a violation of academic integrity and processed accordingly. Similarly, copying answers from other students' assignments, past or present, violates the idea that your work must be your own.

University Policies: September 7 is this semester's Census Date, the deadline for all registrations, schedule changes, and section changes. October 30 is the last

day to withdraw from one or more courses. For university policies concerning Students' Rights and Responsibilities, Grade Replacement/Forgiveness, State-Mandated Course Drop Policy, Disability Services, Student Absence due to Religious Observance, Student Absence for University-Sponsored Events and Activities, Social Security and FERPA Statement, please see the University Policies and Information file on this course's Canvas page.

Course Policy Regarding AI:
UT Tyler is committed to exploring and using artificial intelligence (AI) tools as appropriate for the discipline and task undertaken. We encourage discussing AI tools' ethical, societal, philosophical, and disciplinary implications. All uses of AI should be acknowledged as this aligns with our commitment to honor and integrity, as noted in UT Tyler's Honor Code. Faculty and students must not use protected information, data, or copyrighted materials when using any AI tool. Additionally, users should be aware that AI tools rely on predictive models to generate content that may appear correct but is sometimes shown to be incomplete, inaccurate, taken without attribution from other sources, and/or biased. Consequently, an AI tool should not be considered a substitute for traditional approaches to research. You are ultimately responsible for the quality and content of the information you submit. Misusing AI tools that violate the guidelines specified or this course (see below) is considered a breach of academic integrity. The student will be subject to disciplinary actions as outlined in UT Tyler's Academic Integrity Policy.

For this course, AI is **not permitted** in this course at all.

Notice: All policies and information above provide general guidelines for the course and may be amended throughout the course as needed at the discretion of the instructor. Any changes will be directly communicated to students through email, announcement in Canvas, or verbally in the classroom.