

# Math 1710.310 Calculus I

Fall 2025

MW 18:00 - 20:20, Chil 245

Instructor: Stewart Brown  
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Office Hours: MW 16:30-17:30  
or by appointment  
Office: 442C GAB

**Communication Expectations:** If you wish to contact me, the best way to reach me is by email. Canvas messages will not be checked, so to ensure a response email me using your UNT domain email. Emails from external addresses will go unanswered. I will respond to emails from UNT domains within two business days, though often much more quickly.

**Textbook:** The official textbook for the course is “Calculus” by James Stewart, the 9th edition. Note, there is a book by the same author by the title “Calculus: Early Transcendentals”, this is not the correct book, the title is simply: “Calculus”.

**Course Description and Prerequisites** Math 1710 discusses limits, one-sided limits, continuity, differentiation (of algebraic, trigonometric, and possibly exponential and logarithmic functions), differentiation rules, the intermediate, mean, and extreme value theorems, integration, anti-differentiation, the fundamental theorem of calculus, and volumes of solids of revolution. The prerequisite of the course is pre-calculus, Math 1650. This course has both lecture and recitation component in one, the first 80 minutes will be lecture, followed by about a 10 minute break, followed by about 50 minutes of recitation. Lecture will be used to deliver content with some examples, but most of the examples will happen in the recitation portion.

The content we cover will be contained in chapters one through five of the textbook. We will cover the chapters in order, though the sections from each chapter may be covered slightly out of order. The following table list the sections from each chapter in the order we will cover them, though it might change slightly. I will inform you of what we do each day in class and on Canvas, I recommend you at least skim the section we will cover next before lecture.

| Chapter   | Sections        |
|-----------|-----------------|
| Chapter 1 | 5,7,6,8,4       |
| Chapter 2 | 1,2,3,4,5,9,7,8 |
| Chapter 3 | 1,2,3,4,5,7,8,9 |
| Chapter 4 | 1,2,4,5         |
| Chapter 5 | 1,2,3,4,5       |

## Grading and Assessment:

Your final grade will be computed as follows:

- » Homework: 10%
- » Quizzes: 20%
- » Midterm Exams: 20% each for a total of 40%
- » Final Exam: 25%
- » Pre-Calculus Assessment: 3%
- » Collecting and Submitting PDFs of Graded Work: 2%
- » **Exams:** There will be two midterm exams and a cumulative final exam. Midterm exams will be made up under extenuating circumstances, at my discretion, email me as soon as possible when an emergency arises warranting a make-up. The midterm exams will be held on September 29 and November 03, during usual class time. The final exam is December 08, 18:30–20:30.
- » **Homework:** There will be homework due every Tuesday submitted as a PDF on canvas, you do **NOT** need the online WebAssign platform to do your homework. The homework will usually be about 10–20 problems and will not be graded for correctness/accuracy. The

point of the homework is for you to practice, please compare your homework against posted solutions, you could get every problem wrong but still get a perfect score. Your two lowest homework grades will be dropped, no late work will be accepted under any circumstance. I will post a longer list of recommended problems that are not to be turned in. My basic operating assumption will be that you are doing the recommended homework and checking your answers against the back of the book or Wolfram Alpha or similar software.

- » **Quizzes:** Quizzes will be held on Wednesday during the recitation portion. I do not administer make-up quizzes under any circumstance (except when required by university policy), but I will drop the two lowest quiz grades to accommodate illnesses and other emergencies. Quizzes will always cover the content from two weeks past, or if that was an exam week, the content from the week before the exam. For example, the first quiz will be the third week of class it will cover the content of the first week.
- » **Pre-Calculus Assessment:** On the first day of class a pre-calculus exam will be given, it is worth 3% of your grade, but it will be graded based on participation. I will give you feedback on preparation, I have found that passing pre-calculus is not always sufficient preparation for 1710. The point of this exam is to make sure you are prepared, I will not be grading it thoroughly and scoring it. If you add the class after the first day, or miss the first day, reach out to me to schedule a make-up.
- » Calculators will not be needed or allowed on exams and quizzes.
- » **Collecting Graded Work:** 2% of your grade will just be for picking up any on-paper assessment and uploading a PDF scan of the graded work to Canvas. The point of this is to force you to at least open the quizzes after I have returned them. These assessments are the primary way for me to give you individualized feedback so that you know what to work on. I find that without this mechanism, most students do not collect their work, and fewer review their work. Seeing a number on Canvas does not tell you what you've gotten wrong.

Letter grades will be determined at least as generously as: a 90 will receive an A, an 80 a B, a 70 a C, and a 60 a D. Though, I've always curved course grades in the past, and I expect to for this course. More detail after the first exam.

**ODA Accommodations:** If you have ODA accommodations, please reach out to me as soon as possible so that I can make sure you have what you need to be successful in this course.

**Academic Integrity:** Any test, paper, or report submitted by you and that bears your name is presumed to be your own original work that has not previously been submitted for credit in another course. You should also keep in mind that as a member of the campus community you are expected to demonstrate integrity in all of your academic work and be evaluated on your own merits. The consequences of cheating and academic misconduct – including a formal discipline record and possible loss of future opportunities – are not worth the risk. Keep in mind that if you conduct yourself in an academically dishonest way, you will receive an F in the course.