

Calculus I

Spring 2021

MATH 1710.160

Instructor: Joseph Zielinski

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Communication: By email or Canvas inbox. If email is used, *please use your UNT student email.*

Communication expectations: I will typically respond within one business day.

Course description

Limits and continuity, derivatives, and integrals; differentiation and integration of polynomial, rational, trigonometric, and algebraic functions; applications, including slope, velocity, extrema, area, volume, and work.

Textbook and course materials

Textbook

The textbook is Stewart, James, *Calculus, 8th Edition*, Cengage Learning (2016). It is available online through the WebAssign platform.

Cengage WebAssign

WebAssign is an online course delivery platform accessed directly through Canvas. WebAssign access includes all online homework assignments, the e-text of Calculus 8th Edition, by James Stewart, and additional learning resources.

WebAssign grants a no-cost trial access through January 25, 2021. You must purchase your access before this temporary access expires. If you do not make the purchase before trial period ends, you may lose credit for work previously completed.

Grading

Each component of the course is worth a fixed number of possible points. Students' overall performance will be based on aggregate points accumulated throughout the semester.

Graded components

WebAssign homework: 1000 points

WebAssign quizzes: 500 points

Recitation worksheets: 500 points

Timed midterm exams (2): 2000 points each

Free response written exams (2): 1000 points each

Final exam: 2000 points

Extra credit: points vary

Grading scale

A: 9001 – 10000 points

B: 8001 – 9000 points

C: 7001 – 8000 points

D: 6001 – 7000 points

F: 0 – 6000 points

Course structure

This course takes place 100% online. There will be two content modules open at the beginning of the course and a new module will open up each week.

Content modules

In each module you will find an outline of the lectures corresponding to the relevant sections and instructional videos which will go over the content and present the solutions to the examples. In the space provided in the notes you should work through the examples with the aid of the videos.

WebAssign homework

For each section of material there will be a corresponding assignment on WebAssign. Students are given up to 20 attempts on each assignment. These are usually due at 11:59pm on Tuesday the following week. Any assignments completed at least 48 hours before the deadline (usually 11:59pm Sunday) will receive a 10% extra credit bonus.

There is a policy for late work via automatic extensions in WebAssign. Within 2 days after the assignment due date, a student can request an automatic extension through WebAssign. This will grant 5 extra days to complete the work. However, a 25% penalty will be applied to all work completed after the due date.

This is a blanket policy intended to cover all cases where a student does not complete the work by the due date. It is unlikely any other type of extension will be permitted on the homework.

WebAssign quizzes

There will be a quiz on each content module. The quizzes are available in WebAssign and are usually due at 11:59pm on Thursday the following week. The quizzes are timed and must be completed in one sitting. Your lowest quiz score will be dropped at the end of the semester.

Exams

There will be four midterm exams. Two will be 60-minute timed exams administered online, and two will be free-response “take-home” of style exams uploaded to Canvas. The final exam will be a 120-minute timed exam, designed as a hybrid of the two midterm types.

For the timed midterm and final exams students will certify their work by providing a visual record. To do so they will create a recording of themselves and their shared screen during the exam and then will upload the files to a form that will be made available afterwards. More detailed instructions will be given in Canvas.

If such a self-proctoring recording is not submitted for a given exam, that exam may not be accepted, at the discretion of the instructor. If there are concerns about academic dishonesty related to an exam, the recordings will then be consulted. If a recording is unavailable, incomplete or otherwise does not meet the standards for exam recordings, the burden of proof will shift to the student to show that there was no academic dishonesty.

Recitations

The recitation instructors for the course:

- Mercedes Byberg (161, 162)
- Erin Pierce (163, 164)

There will be a second Canvas page for your recitation section. Each week there will be a worksheet available in the recitation Canvas. These will be due

at 11:59pm on Wednesday of the following week.

Students will receive additional instruction from the TA in your recitation section and will engage with their TA and classmates in discussions on the material. Students may also request help from the TA on specific examples by posing a request in the recitation. Please allow one business day for the TA to respond.

Course policies

Reading assignments

Students are expected to read the corresponding sections of the book *before* viewing the lecture videos in which that material is covered and to watch those videos *before* working on the homework.

Minimum technology requirements

- Computer, tablet, or laptop that is compatible with all required apps for the course
- Reliable internet
- A scientific or basic graphing calculator (TI-84 or equivalent) is recommended
- A scanner or a smartphone scanning app (there are many free apps available for smartphones)
- A functional webcam and microphone

Academic integrity

Students are encouraged to work with one another on the homework problems and recitation worksheets, and are free to consult other textbooks to further their understanding of the material. However, the work that is submitted for credit must be completed by the student alone. Students should not consult any other person or reference for the quizzes and exams.

Any student found cheating on will receive no credit on the assignment; and may receive an F for the course for cheating on an exam. A report will be filed with the Office of Academic Integrity.

Late assignments and missed exams

The homework due dates and late policy has been designed to be very lenient, to take into account students' busy schedules and fluctuating demands. Therefore

it is unlikely that I will make further accommodations for late work. It is also very unlikely that I will allow a missed exam to be made-up. Exceptions may be made for serious circumstances with ample forewarning, or for severe circumstances.

Changes to the syllabus

This syllabus is subject to change. Please consult the course webpage for the most current version.