

Mathematics 2300: Calculus 2, Fall 2026 Syllabus

Class Meetings. Monday, Tuesday, Wednesday, Thursday and Friday at 12 : 20 pm

Location. CLRE 302

Instructor. Uri Tomer

Office Hours. Tuesday 1 – 3 pm and Wednesday 11 – 12 am

Office. MATH 210

Course Teaching Assistant. Charlie Ruppe

Course Information

Prerequisites:

MATH 1300 or MATH 1310 or APPM 1345 or APPM 1350 (minimum grade C-). Credit not granted for this course and APPM 1360.

Textbook and WebAssign Access:

We will use the textbook “Calculus: Early Transcendentals,” 9th Edition, by James Stewart.

The e-book and WebAssign come with a Cengage Unlimited subscription through CU’s [Book Access](#) program, for which you are automatically billed through your tuition \$269 (plus tax). This flat fee gains you access to the materials for ALL of your courses for Fall 2026. If you wish to opt out of the Book Access program, you can opt out by September 4, 2026, but you will lose access to your course materials for all your courses and must purchase them separately. See the CU Bookstore’s [frequently asked questions](#) for more information about the Book Access program.

Required Equipment and Software:

- **Smart phone/tablet and scanner app:** You will need a smartphone or tablet with a camera and a PDF scanner app to submit assignments on Canvas. Many of these apps are available for free, such as CamScanner.
- **Calculators and other technology:** You do not need to purchase a graphing calculator. The free graphing website [Desmos.com](#) will be sufficient for most of your graphing and computational tasks. **Absolutely no calculators will be allowed on exams. Nor will they be needed on exams.**
- *Note:* If class must temporarily or permanently switch to a remote modality, then all students will be required to have a computer equipped with a webcam, microphone, and Zoom. If (and only if) the university must update guidelines and prohibit in-person exams, then all students will be required to download and use the free Google Chrome extension Proctorio for exams.

Canvas:

See our course’s Canvas page (<https://canvas.colorado.edu>) for up-to-date course information, homework assignments, a link to WebAssign, the course schedule, lists of instructors and graduate teaching assistants, a copy of this syllabus, and links to additional resources.

Statement on Human Educators:

While each section's instructor has autonomy in choosing the materials used in their classroom, artificial intelligence (AI) is not used by your educators in any of the course-coordinated components of this course. All the course-wide materials you will receive—including activities posted on the Canvas schedule, homework quizzes, and exams—have been carefully and individually developed by teams of human educators at CU Boulder, without the use of generative AI. Likewise, generative AI will not be used in grading any student work. While technology plays a small role in grading via computer processing of multiple choice selections on exams and formula entries in the WebAssign system, all other student work in course-wide assignments is guaranteed to be graded directly by humans (instructors or TAs).

Course Structure

Research shows that people learn mathematics best when they are actively participating. In other words, you learn best by doing, not by watching. Therefore, MATH 2300 does not meet in large sections, but instead meets in small sections, which allows individual and group work in which you will be actively engaged with solving problems, making discoveries and understanding connections. This course and the book we are using are designed for a classroom which does not follow a traditional lecture format. Do not be surprised if your instructor often spends only half a class period lecturing or solving problems: the rest of the time, you should expect to be working at your desk or online, either individually or in groups, presenting your work.

In this vein, you will be expected to read a section in the book before it is discussed in class. Lectures are intended to highlight aspects of the text, not to replace it. In this course you will learn a number of useful formulas, though their mastery is not the primary purpose of calculus any more than correct spelling is the primary purpose of literature. Our goal is to have you learn how to understand calculus conceptually so you can build your own approaches to solving practical problems.

We will use a variety of recitation projects and in-class activities where you will collaborate in small groups to discover, extend, and apply calculus concepts.

Course Content:

This course is a continuation of MATH 1300. Topics include techniques of integration, improper integrals, applications of integration, sequences and series, power series, Taylor series, differential equations, parametric equations and polar coordinates.

Mathematics Academic Resource Center:

The [Mathematics Academic Resource Center \(MARC\)](https://math.colorado.edu/marc/) is a free service provided by the Department of Mathematics that offers students additional support for their CU Mathematics courses. They offer in-person assistance Monday through Friday in Math 175. You can visit their website <https://math.colorado.edu/marc/> for updated hours, remote options and other information.

The MARC is staffed by graduate students, undergraduates, and Learning Assistants. Tutors are trained to help assist with specific questions. They are not able to work through homework assignments with you. The MARC is extremely busy before assignments are due, i.e., on Wednesdays and Thursdays, so make a habit of visiting the MARC earlier in the week, well before assignments

are due. They have free coffee and tea (freshly brewed by MARC staff!). Remember, you are not learning on an island; you have support. Swing by and start a conversation with their wonderful tutors.

Assignments and Assessments

The only effective way to learn Calculus is to do lots and lots of problems. Besides working on problems in class every day, you will have assignments and assessments in this course to enhance your skills and understanding.

Online homework:

WebAssign is an online system for doing homework. When you log on, you are given problems that you solve on paper and then enter the answers. These problems are generally straightforward or computational, and you can repeat them multiple times until you get the correct answer. The philosophy behind this is that instantaneous feedback is more effective than waiting days for a grade, and that doing a problem over if it's wrong is better than simply seeing the right answer. Because problems are graded by a computer, there are occasional technical issues, but we believe the trade-off is worthwhile. WebAssign can be accessed through the following link (also on Canvas):

<https://www.webassign.net/colorado/login.html>.

If you added the course before 10:00am on the Monday preceding the start of classes, then you are already enrolled in our WebAssign course. If you added the course after this time, or if you have switched sections, then contact Jeff Taylor at math-help@colorado.edu so he can enroll you in WebAssign or switch your WebAssign access to the correct section. Include your first and last name, your CU email address, your IdentiKey username, and the course and section number you are enrolled in.

The first assignment is due Friday of the first week of class, so do not wait to get access to WebAssign!

WebAssign assignments will be due throughout the week. There will be a WebAssign assignment for each topic we cover. **Please check the due dates regularly**, as you are responsible for getting the assignments done on time. You will have 6 attempts for each individual question. We will allow you to miss 10% of the total WebAssign points for the semester with no penalty, so you don't need to panic if you miss a problem here and there. If you have concerns about completing a WebAssign assignment by the deadline, discuss your concerns with your instructor.

Written Homework:

You will be assigned several conceptual problems each week. These problems are posted in a PDF on Canvas. You are expected to write complete, legible, and logical solutions to these problems. Your solutions should be written using complete sentences to explain your steps. Your work should be scanned as a single PDF file and submitted in Canvas by 11:59pm on the due date (mostly Thursdays). This submission will be graded out of 4 points by your TA for your complete and coherent responses to every problem with relevant mathematical reasoning.

Each Friday, a Homework Quiz will be given in class consisting of 1 to 3 problems closely adapted from the homework assignment for that week. This quiz will be graded out of 6 points for accuracy, rigorous justification, and clear communication of your mathematical knowledge.

Together, the Canvas submission and Homework Quiz are worth 10 points in total. Your lowest two total Homework scores will be dropped.

Homework Honor Code Policy and Statement on the Use of Artificial Intelligence:

Doing academic work, such as homework, requires that you submit work that is your own. You may work with your classmates on homework to understand the problems and even to solve them (in fact, we encourage it). However, when you write up your solutions, this should be done independently, and in your own words.

Copying homework solutions from the internet, such as from Chegg or other similar websites, is an Honor Code violation. Accessing solutions on the internet is an Honor Code violation, regardless of whether you use those solutions.

Similarly, you are not allowed to use artificial intelligence (AI) on any assignment to produce or access solutions. This means you may not use ChatGPT or other similar programs to write any part of your solutions. Using AI in this manner is considered an Honor Code violation.

If you are found to be in violation of the Honor Code in any way on homework, the first infraction will result in a grade of zero on that homework. The second infraction will result in a full letter grade deduction on your semester grade (e.g., from a B+ to a C+). The third infraction will result in an F for the course. All infractions will be reported to the Honor Code Board.

Thursday Projects:

Thursdays are recitation days which are supervised by a graduate Teaching Assistant (TA) and an undergraduate Learning Assistant (LA). In recitation you will work on projects with your classmates. The TA and LA will be present during recitations to facilitate your work on the projects, but the goal is for you (and your groupmates) to **work through and complete these projects on your own** as much as possible. Your TA and LA will be making sure that you participate in your group's explorations and discoveries. Your grade is partially based on participation, so *participate*.

Missed projects cannot be made up: if you miss a Thursday recitation, you will receive a zero for that project. However, your lowest three recitation grades will be dropped.

Weekly Work:

Each week you will receive a weekly work grade of 0 to 10 points based on your performance in your MTWF class. Your instructor will give you details about how this score is determined for your section. This grade may be based on your performance on occasional quizzes (possibly at least one quiz every week) and possibly on your in-class participation and your attendance (which may be taken everyday or only randomly). Your lowest two weekly work grades will be dropped.

Exams:

There will be 3 in-person midterm exams given in the evening outside of class for 1.5 hours, and a 2.5-hour comprehensive final exam given in person during the final exam period. Absolute no

computing/graphing technology will be allowed on exams, nor will they be needed. **Use of any outside resources at any time during the exams will be considered cheating.** See the Exam Honor Code Policy below.

If you must miss a midterm unexpectedly due to illness, quarantine, family emergencies, schedule conflicts, etc., then your final exam will replace one missed exam grade.

In accordance with university policy regarding religious observances, disability, pregnancy, and other exceptional circumstances, you are allowed to request exam accommodations beyond these if you feel one of these policies applies. You should discuss such accommodations with your instructor in a timely manner. Also see the section on Accommodation for Religious Obligations below.

Midterm 1: Monday, September 21 from 5:45-7:15pm (room TBD)

Midterm 2: Monday, October 19 from 5:45-7:15pm (room TBD)

Midterm 3: Monday, November 16 from 5:45-7:15pm (room TBD)

Final Exam: Wednesday, December 9 from 7:30am-10:00am (room TBD), comprehensive

Exam Honor Code Policy:

If you are found to be in violation of the Honor Code on an exam, your first infraction will result in a non-replaceable zero for the exam or an F for the course (depending on the severity of the infraction). Your second infraction will result in an F for the course. All infractions will be reported to the Honor Code Board.

Grades:

The grade distribution will be calculated based on the following weightings:

- Midterms (45%)
- Final Exam (20%)
- WebAssign (10%)
- Written Homework (10%)
- Weekly Work Quizzes (10%)
- Recitation projects (5%)

Note 1: While the allotted dropped or replaced grades in this course can be used for low grades or missed grades, the intended purpose of any drops or replacements is to alleviate the stress on your semester grade due to unpredictable or unavoidable non-academic circumstances. Do your best work so that you can reserve your drops for non-academic circumstances. However, if prolonged illness, family emergencies, or crisis situations cause you to miss a substantial number of classes or assignments, please contact your instructor and the course coordinator as soon as possible.

If personal circumstances prevent you from completing a substantial number of assignments by the deadlines, then you are encouraged to contact [Student Support & Case Management](#). A case manager can verify your circumstances and contact your instructor on your behalf.

Note 2: To compensate for students having occasional bad days, the weighting of the midterms will be distributed as follows: 12% for your lowest midterm score, 15% for your second lowest midterm, and 18% for your highest midterm. These weights will only be assigned after all three midterms have been given. Until that time, each midterm will weigh 15%.

Note 3: If your final exam score is higher than your lowest midterm score, then your final exam score will replace your lowest midterm score and will weigh 12% (not more). This replacement accommodation can only be applied to exactly one midterm, and it can be used for a low midterm grade or a missed midterm (but not both).

Note 4: If you miss exactly one midterm, your missed midterm score will be replaced by your final exam score and will weigh 12%. This replacement accommodation can only be applied to exactly one midterm. If you miss the final exam for any reason, you must petition for an incomplete. There is no guarantee that a petition for an incomplete will be approved.

Note 5: In the highly unlikely event that the university cancels the final exam, the weighting will be 65% for the three midterms combined, and the weighting for the other coursework will remain 35% as stated above. In the unlikely event that a midterm is cancelled, the weighting will be 45% for the two remaining midterms combined.

University Policies and Standards

Honor Code

All students enrolled in a University of Colorado Boulder course are responsible for knowing and adhering to the [Honor Code](#). Violations of the Honor Code may include but are not limited to: plagiarism (including use of paper writing services or technology [such as essay bots]), cheating, fabrication, lying, bribery, threat, unauthorized access to academic materials, clicker fraud, submitting the same or similar work in more than one course without permission from all course instructors involved, and aiding academic dishonesty. Understanding the course's syllabus is a vital part of adhering to the Honor Code.

All incidents of academic misconduct will be reported to Student Conduct & Conflict Resolution: StudentConduct@colorado.edu. Students found responsible for violating the Honor Code will be assigned resolution outcomes from Student Conduct & Conflict Resolution and will be subject to academic sanctions from the faculty member. Visit [Honor Code](#) for more information on the academic integrity policy.

Accommodation for Disabilities, Temporary Medical Conditions, and Medical Isolation

If you qualify for accommodations because of a disability, please submit your accommodation letter from Disability Services to your faculty member in a timely manner so that your needs can be addressed. Disability Services determines accommodations based on documented disabilities in

the academic environment. Information on requesting accommodations is located on the [Disability Services website](#). Contact Disability Services at 303-492-8671 or DSinfo@colorado.edu for further assistance. If you have a temporary medical condition, see [Temporary Medical Conditions](#) on the Disability Services website.

If you have a temporary illness, injury or required medical isolation for which you require adjustment, please notify your instructor as soon as possible so that we can offer advice and determine a reasonable accommodation. In many cases, we will encourage you to contact [Disability Services](#) and/or [Student Support & Case Management](#) who will then contact us with advice on reasonable accommodations.

Accommodation for Religious Obligations

Instructional faculty members must make every reasonable effort to accommodate all students who have conflicts with scheduled exams, assignment deadlines or required attendance due to a religious observance. Whenever possible, students must notify the instructional faculty member at least two weeks in advance of the expected exam, assignment deadline, or attendance conflict to request an accommodation for religious observance. If the start date of the course is less than two weeks before the date of requested accommodation, students must notify the instructional faculty member on the start date of the course. See the [Student Academic Accommodations for Religious Observances Policy](#) for more information.

In this class, please notify your instructor as soon as possible, preferably at least two weeks prior to the conflict, to discuss options so that we can provide reasonable accommodations.

Student Names and Pronouns

CU Boulder recognizes that students' legal information does not always align with how they identify. If you wish to have a name other than your legal name appear on your instructors' class rosters and in Canvas, or if you wish to choose pronouns to appear on your instructors' class rosters and in Canvas, visit the [Registrar's website](#) for instructions on how to change your personal information in university systems.

Classroom Behavior

Students and faculty are responsible for maintaining an appropriate learning environment in all instructional settings, whether in person, remote, or online. Failure to adhere to such behavioral standards may be subject to discipline. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with race, color, national origin, sex, pregnancy, age, disability, creed, religion, sexual orientation, gender identity, gender expression, veteran status, marital status, political affiliation, or political philosophy.

Additional classroom behavior information:

- [Student Classroom and Course-Related Behavior Policy](#).
- [Student Code of Conduct](#).
- [Office of Institutional Equity and Compliance](#).

Sexual Misconduct, Discrimination, Harassment and/or Related Retaliation

CU Boulder is committed to fostering a productive and welcoming learning, working, and living environment. University policy prohibits [protected-class](#) discrimination and harassment, sexual misconduct (harassment, exploitation, and assault), intimate partner abuse (dating or domestic violence), stalking, and related retaliation by or against members of our community on- or off-campus. Denial of an approved accommodation for disability, religious observance, or pregnancy or pregnancy related medical conditions may be discriminatory.

The [Office of Institutional Equity and Compliance \(OIEC\)](#) addresses these concerns, and individuals who have been subjected to misconduct can contact OIEC at 303-492-2127 or email OIEC@colorado.edu. Information about university policies, [OIEC reporting options](#), and [OIEC support resources](#) including confidential services can be found on the [OIEC website](#).

Faculty and graduate instructors are required to inform OIEC when someone discloses misconduct regardless of when or where it occurred. This is to ensure that those impacted receive outreach from OIEC about resolution options and support resources. To learn more about reporting and support options for a variety of concerns, visit the [Don't Ignore It page](#).

Mental Health and Wellness

The University of Colorado Boulder is committed to supporting students' mental health and overall wellbeing. If personal, academic, or emotional challenges are affecting your wellbeing or success, [Counseling and Psychiatric Services \(CAPS\)](#), is here to help. CAPS offers counseling, referrals, psychiatric care, crisis support, and much more. Visit CAPS in the C4C, or call (303) 492-2277, 24/7.