MATH 1131Q Calculus I:

Fall 2025 Syllabus

Excluding materials for purchase, syllabus information may be subject to change.

Always refer to the syllabus linked in HuskyCT for the most up-to-date information.

Course and Instructor Information

Prerequisites: A qualifying score of 22 on the mathematics placement exam (MPE). Students who fail to achieve this minimum score are required to spend time on the preparatory and learning modules before re-taking the MPE, or to register for a lower level Mathematics course. Not open for credit to students who have passed MATH 1132Q or 1152Q.

Instructor: Corrie Ingall (Please call me Corrie! However, if that feels too informal you can call me Professor or Professor Ingall instead.)

Pronouns: I use she/her/hers pronouns.

Email: corrie.ingall@uconn.edu

Office Location: MONT 119 (Monteith, see map: https://maps.uconn.edu/m/map/MONT).

Office Hours: During my office hours I am available to answer questions about course content, specific assignments, or preparation for quizzes/exams.

- **Tuesday 12:30 – 1:30 pm**
- **Wednesday 9 – 10 am**
- **Thursday 12:30 – 1:30 pm**

You can also get in touch with me to set up a separate appointment, though my availability for separate meetings is limited depending on the week. Please get in touch as early as possible in these situations, I can rarely meet with less than 24 hour notice.

Note that some of these office hours may need to be rescheduled or moved to Webex. Notice will be given in advance on HuskyCT or in class.

Getting in touch with me: Email is the best way to get in touch with me. Feel free to email me anytime, though I generally do not check my email late at night or on the weekends. Please don't contact me through HuskyCT's contact instructor feature (the mail/envelope icon next to my name in HuskyCT). It can take HuskyCT up to 24 hours to notify me about these messages. **Using my UConn email directly is the best method.**

Course Description

This course is an introduction to differential and integral calculus, which is the mathematical language used in any science concerned with dynamically changing quantities. The main topics it covers are limits, derivatives, integrals, the Fundamental Theorem of Calculus, and some basic applications of these ideas.

Course Objective

Successful completion of this course will require you to learn to:

1. Apply fundamental algebra skills to calculus problems.
2. Use common techniques to evaluate limits, and connect limits to derivatives.
3. Interpret derivatives as rates of change.
4. Combine ideas from algebra and trigonometry with knowledge of limits and derivatives to recognize features of the graph of a function.
5. Use derivatives to describe the features of a function and its graph, including maximum and minimum values and where they occur.
6. Identify applications of differential and integral calculus, and explain how calculus can be used in these applications.
7. Apply the Fundamental Theorem of Calculus and the substitution rule to evaluate definite and indefinite integrals.
8. Demonstrate how integrals are connected to the area under the graph of a function.

Course Materials

The textbook for the course is *Calculus Early Transcendentals, Single Variable* by James Stewart (9th Edition), which is offered bundled with a *WebAssign* code for completing the online homework.

If you are using the Husky Book Bundle this semester, the digital required materials for this course have been integrated with HuskyCT and can be found in the **Essential Links** module in your Blackboard course. Please sign into HuskyCT to access your course and course materials.

If you opt out of the Husky Book Bundle, you only need to buy ONE of the three textbook/WebAssign bundles listed at the bookstore, OR a 1-term Cengage Unlimited Subscription; your choice will depend on what math classes you plan to take in the future.

NOTE: the least expensive way to get WebAssign access for all courses (MATH 1131Q, 1132Q. 2110Q, and 2410Q) in the Calculus sequence is to purchase a $130, 1-term Cengage Unlimited subscription online, directly from WebAssign, at the start of the term. This will give you access to all four courses and corresponding eBooks **whenever you take them, even after the 1-term subscription expires.** This will also give you access for this term to any other Cengage-based materials.

Course Expectations

1. My number one expectation for this class is that we will all treat each other with respect. We are all here to learn. There are no “stupid questions” and we all make mistakes (including me!) I expect everyone to be kind to themselves and each other as we take on the challenges in this course. Always feel free to ask questions!

2. I encourage you to be open to learning from your peers and learning by teaching your peers. Both will boost your understanding.

3. Each student has the right to decide how will they will engage with this course. However, if anyone's behavior in class is significantly disrupting other students’ opportunities to learn and focus, I may ask them to leave the classroom and/or meet with me separately to discuss the issue.

4. You are expected to come to class each week. When you miss class, you will need to spend more time outside of class trying to catch up, so you should not be missing class unless you are sick or you have an emergency! If you miss class, make sure to get the notes from a classmate or review the class outline on HuskyCT.

5. You should expect to do much of your learning outside the classroom. Mathematics, like most subjects, is learned by doing! In total, it is expected that you spend around 16 hours per week working on this 4 credit course.

6. Don’t wait until the last minute to start assignments, they take time to complete!

7. Put your best effort forward. If you find yourself falling behind, take advantage of the office hours and resources with SI and at the Q Center to ask for help!

Course Grade Breakdown:

WebAssign	10%
Activities	10%
Projects	12%
Quizzes	10%
Exam 1 (Monday Week 5)	15%
Exam 2 (Monday Week 9)	15%
Exam 3 (Monday Week 13)	15%
Final Exam (Finals Week)	20%
Reflections	3%
TOTAL:	110%
Note that while the total points above are 110, the course grade will be out of 100.	

Calculators:

The use of calculators is **NOT allowed** on Quizzes or Exams. While you are free to use them while completing the WebAssign, Activities, and Projects, it will be important to include practice without a calculator as you are preparing for Quizzes and Exams.

WebAssign Online Homework:

You will have a WebAssign online homework assignment for each covered section of the text. You can access WebAssign via the link in your HuskyCT lecture section.

The due date for all your work is the last day of class instruction. Despite this, it is recommended that you work on these assignments keeping in the pace of the course, I will send reminders on which assignments I recommend completing in each week.

You will get five attempts for each question that is not multiple-choice and fewer than five attempts for each multiple-choice question; the exact number of attempts will depend on the number of choices. After each attempt, you will be told whether your answer is correct or not. If you are not able to get the correct answer after your initial attempts, we recommend that you seek help from your peers, your TA or instructor via office hours, the Supplemental Instruction sessions, the Q-Center, a tutor, or another student before attempting to answer the problem again.

Warning: When accessing your online homework, use Firefox or Chrome as your browser; there are problems that can occur if you use Internet Explorer or Safari. Please use this WebAssign Tips.pdf.pdf document for help with accessing WebAssign and entering your answers correctly.

Activities:

We will have **around 5 in-class activities that will be graded.** A good portion of the grade for any activity is on completion, the other portion of the grade may be based on short answer to a written prompt or an informal presentation in front of the class.

We will discuss these activities (and in most cases their solutions) together as a whole class. Think of these activities as **group homework completed during class.**

Activities will be announced ahead of time in the course schedule. They will be typically be due around a week later in class via hard copy. I will pass out printed versions when we do the activity, and you will need to submit your handwritten solutions on these handouts.

If you need to miss class, you can complete the activity outside of class. However, it is highly recommended you attend class on Activity days if possible, as these assignments are designed to be worked in groups on during class.

Projects:

There will be **3 projects** in this course. These projects are designed to help you think critically about problem solving and to introduce to you how the math we learn about in class can be applied in real world settings. For these projects, you will submit a slideshow or handout answering an extended application problem. More details will be available with the announcement of the first project.

You should start these projects early. We will often spend some time during class the week a project is due to ask me and your peers questions about the project, and that time is most useful if you have started the project beforehand.

Late Project Policy: Projects are graded out of 20 points. For every day you submit a project late, you will lose 1 point. If you need an extension on a project due to extenuating circumstances, you must contact your instructor to make arrangements **BEFORE** the project due date. **NO SUBMISSIONS ALLOWED AFTER THE LAST DAY OF CLASSES (December 5th).**

Quizzes:

There will be **5 quizzes** in this course, held during Monday discussion. You will have 10 minutes to complete the quiz. **The use of calculators IS NOT allowed on quizzes.**

Quiz Makeup Policy: If you **miss a quiz** because you are ill or due to some other extenuating circumstance, you must contact your instructor before the original quiz time, or within 24 hours after the original quiz time. If your instructor approves you for a makeup quiz, then you must take the quiz within 1 week of the original quiz time. If you do not follow these procedures, then you will receive a score of zero on the missed quiz unless you have proper documentation of an extenuating circumstance.

Quiz Drop Policy: At the end of the semester, your lowest quiz score will be dropped when calculating your final grade. (In other words, your best 4 quizzes will be used to calculate your Quiz average for your final grade.)

Exams:

There will be three in-class Exams and a Final Exam. Exams 1-3 will be administered during your scheduled discussion section time on Monday of the 5th, 9th, and 13th weeks of the semester. Please put these dates in your calendar. Each of Exams 1-3 will primarily cover material from the 3-4 weeks before the exam. Please check the course schedule for the specific topics that are covered on each exam.

Midterm Exam Makeup Policy: If you **miss the midterm exam** because you are ill or due to some other extenuating circumstance, you must contact your instructor before the original exam time, or within 24 hours after the original exam time. If your instructor approves you for a makeup midterm, then you must take the midterm within 1 week of the original midterm time. If you do not follow these procedures, then you will receive a score of zero on the midterm unless you have proper documentation of an extenuating circumstance.

The Final Exam is culminative and will be held **during the week of December 9th**, during your scheduled Final Exam period; the exact date and time will be scheduled by the University and will be shared once it is known on both Student Admin and HuskyCT. Students are required to be available for their exam during the stated time. If you have a conflict with this time, you must contact the Dean of Students Office to discuss the possibility of rescheduling this exam. Please note that vacations, previously purchased tickets or reservations, social events, misreading the exam schedule and over-sleeping are not acceptable excuses for missing a final exam. If you think that your situation warrants permission to reschedule, please contact the Dean of Students Office with any questions.

Reflections:

Throughout the course, I will ask you to reflect on your learning and your experience as a student in this course. There will be 3 reflections in total:

1. Self-Introduction due Week 1
2. Midterm Reflection
3. Final Reflection

These assignments are intended to be fairly simple and involve answering questions in a Microsoft form. They are graded on completeness. All links will be available on HuskyCT and deadlines will be announced in class and on HuskyCT.

Q Center

The Quantitative Learning Center (Q Center) is a free resource for all UConn students providing drop-in peer tutoring and review sessions. The Q Center is located on the 3rd Level of Homer Babbidge Library. See the Q Center website for up-to-date information https://qcenter.uconn.edu/

Observance of Religious Holidays

After reviewing the syllabus carefully, students must notify the instructor if they foresee a conflict between the due date for an assignment and their religious observations so arrangements can be made.

Wellness

For the wellbeing of yourself and everyone else, please stay home when you are not feeling well. If you are sick or not feeling well and will not be able to complete an assignment on time because of your condition, please get in touch. (You do not need to disclose the nature of your illness/condition to me.)

Wearing a mask is always permitted in class, and encouraged especially for those who are feeling under the weather, recovering from a recent illness or know they have been exposed to someone with a contagious condition.

Academic Honesty Policy

This course expects all students to act in accordance with the Guidelines for Academic Integrity at the University of Connecticut. UConn defines academic misconduct as “dishonest or unethical academic behavior that includes, but is not limited to, misrepresenting mastery in an academic area (e.g., cheating), failing to properly credit information, research, or ideas to their rightful originators or representing such information, research, or ideas as your own (e.g., plagiarism).” Below is a list of examples of academic misconduct in this course:

1. **Cheating or helping others cheat on a quiz or an exam.** Using unauthorized materials on quizzes or exams including looking at your neighbors’ papers, your notes, books, or electronic devices is cheating. Communicating with any other human being (besides the instructor) during a quiz or an exam is cheating.
2. **Cheating or helping others cheat on a project or homework.** Turning in work on a project that was not written up independently by you and your partners is cheating. All work submitted should represent you and your partners’ honest understanding of the material.
3. **Distributing your instructor’s materials to students’ outside of this course, including posting materials on the internet.** You are forbidden from sharing or posting projects, exams, quizzes, and homework problems created by your instructor. You are also forbidden from sharing or posting your solutions to projects, exams, quizzes, and homework.

Any student who commits an act of misconduct will be reported to the university. Violations of this policy may range from a zero on the assignment to a grade of F in the course. If you have questions about academic integrity or intellectual property, you should consult with your instructor.

If you do not complete preparatory assignments such as WebAssign, [assignments], and Quizzes on your own, you will lose out on the opportunity to prepare for major assignments like the Midterm Exams and the Final Exam. These preparatory assignments are meant to help you learn, and avoiding them via cheating is both not allowed and not helpful for you.

Large Language Models (LLM, ChatGPT, etc.) and other AI Tools Policy

ChatGPT and related tools can be used by students in this class as an aid, but they are not allowed to be used to generate submissions for WebAssign, Projects, Activities, Quizzes, or Exams. (Even if you “edit” it later). This will be considered Academic Dishonesty, as if you asked a friend to complete your assignment for you.

Feel free to use these tools to help you study or review, but I advise caution. Critiquing these responses carefully is crucial to avoid dangerous misunderstandings. Please be aware that ChatGPT is not always correct and may lead you astray, as it is built to generate and has no real understanding of Calculus.

Students with Disabilities

The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or http://csd.uconn.edu/.

To provide students with disabilities the appropriate accommodations, CSD must send an official letter to your instructor. Please request this letter to be sent within MyAccess to me. If you are in the process of getting accommodations approved through CSD, I appreciate a heads up so that we can begin planning your accommodations in advance. If your accommodations require you to take quizzes and/or exams in a separate space, it is your responsibility to schedule an appointment with CSD's testing center through MyAccess at least one week before each quiz/exam date.

Resources for Students Experiencing Distress

The University of Connecticut is committed to supporting students in their mental health, their psychological and social well-being, and their connection to their academic experience and overall wellness. The university believes that academic, personal, and professional development can flourish only when each member of our community is assured equitable access to mental health services. The university aims to make access to mental health attainable while fostering a community reflecting equity and diversity and understands that good mental health may lead to personal and professional growth, greater self-awareness, increased social engagement, enhanced academic success, and campus and community involvement.

Students who feel they may benefit from speaking with a mental health professional can find support and resources through the **Student Health and Wellness-Mental Health (SHaW-MH) office** located in Storrs on the main campus in the Arjona Building, 4th Floor. Through SHaW-MH, students can make an appointment with a mental health professional and engage in confidential conversations or seek recommendations or referrals for any mental health or psychological concern. Mental health services are included as part of the university's student health insurance plan and partially funded through university fees. If you do not have UConn's student health insurance plan, most major insurance plans are also accepted. Please visit https://studenthealth.uconn.edu/ or call (860) 486-4705 if you have questions.

Course Schedule

Please note that this schedule is tentative and may change throughout the semester. All changes will be announced in class or on HuskyCT

Week Number	**Class Date**	**Description**
Week 1	Mon Aug 25 - Discussion	Course Information Setting Class Expectations **Activity 1 – PreCalculus Review in class**
	Tues Aug 26	2.1 - The Tangent and Velocity Problems 2.2 - The Limit of a Function
	Thurs Aug 28	2.2 - The Limit of a Function continued 2.3 - Calculating Limits Using the Limit Laws **Reflection 1 – Self-Introduction due at midnight**
Week 2	**NO DISCUSSION SECTION**	**NO DISCUSSION SECTION**
	Tues Sep 2	2.5 – Continuity **Activity 1 – PreCalculus Review due in class**
	Thurs Sep 4	2.6 - Limits at Infinity; Horizontal Asymptotes
Week 3	Mon Sep 8 - Discussion	**Quiz 1 in class**
	Tues Sep 9	2.7 - Derivatives and Rates of Change 2.8 - The Derivative as a Function
	Thurs Sep 11	2.8 - The Derivative as a Function continued 2.4 The Precise Definition of a Limit

Week 4	Mon Sep 15 - Discussion	Q&A / Review
	Tues Sep 16	3.1 - Derivatives of Polynomials and Exponential Functions
	Thurs Sep 18	3.2 - The Product and Quotient Rules **Project 1 due at midnight**
Week 5	Mon Sep 22 - Discussion	**Exam 1 in class (2.1-2.3, 2.5-2.8)**
	Tues Sep 23	3.3 - Derivatives of Trigonometric Functions 3.4 -The Chain Rule
	Thurs Sep 24	3.4 -The Chain Rule continued 3.5 Implicit Differentiation
Week 6	Mon Sep 29 - Discussion	**Quiz 2 in class**
	Tues Sep 30	3.6 - Derivatives of Logarithmic Functions
	Thurs Oct 2	3.8 - Exponential Growth and Decay
Week 7	Mon Oct 6 - Discussion	**Quiz 3 in class**
	Tues Oct 7	3.9 - Related Rates
	Thurs Oct 9	3.10 - Linear Approximations and Differentials
Week 8	Mon Oct 13 - Discussion	Q&A / Review
	Tues Oct 14	4.1 - Maximum and Minimum Values
	Thurs Oct 16	4.2 - Mean Value Theorem **Project 2 due at midnight**
Week 9	Mon Oct 20 - Discussion	**Exam 2 in class (3.1-3.6, 3.8-3.10)**

	Tues Oct 21	4.3 - How Derivatives Affect the Shape of a Graph
	Thurs Oct 23	4.4 - Indeterminate Forms and l'Hospital's Rule
Week 10	Mon Oct 27 - Discussion	**Quiz 4 in class**
	Tues Oct 28	4.7 - Optimization Problems
	Thurs Oct 30	4.8 - Newton's Method
Week 11	Mon Nov 3 - Discussion	Q&A / Review
	Tues Nov 4	4.9 - Antiderivatives 5.1 - Areas and Distances
	Thurs Nov 6	5.1 - Areas and Distances continued 5.2 - The Definite Integral **Project 3 due at midnight**
Week 12	Mon Nov 10 - Discussion	**Quiz 5 in class**
	Tues Nov 11	5.3 - The Fundamental Theorem of Calculus
	Thurs Nov 13	5.4 - Indefinite Integrals and the Net Change Theorem
Week 13	Mon Nov 17 - Discussion	**Exam 3 in class (4.4-4.4, 4.7-4.9, 5.1)**
	Tues Nov 18	5.5 - The Substitution Rule
	Thurs Nov 20	6.1 - Areas Between Curves
Week 14	Mon Nov 24 - Discussion	Q&A / Review
	Tues Nov 25	6.2 - Volumes
	Thurs Nov 27	Final Exam Review

		WebAssign HW final deadline for Extra Credit
Finals Week	12/9/2024	**Final Exam during University-scheduled time (TBA)**

Course Grade Scale:

Final Percentage	Letter Grade
93 -100	A
90.00-92.99	A-
87.00-89.99	B+
83.00-86.99	B
80.00-82.99	B-
77.00-79.99	C+
73.00-76.99	C
70.00-72.99	C-
67.00-69.99	D+
63.00-66.99	D
60.00-62.99	D-
<60	F