University of Connecticut UCONN

MAT1131Q Calculus 1
Spring 2026

Course Information

Course Title: Calculus 1, MAT1131, Section 801

Credits: 4

Professor: Dr. Schwendner (pronounced Shhh-when-ner)

Format: Lecture/Flipped, Tuesday/Thursday 9^{15}-10^{55} am, Room 139A

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

Student Hours: Tuesday/Thursday 8-9^{15} AM (room 139a) and 12^{30}-1^{15} PM (room 138).

Course Description



MAT1131Q 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. Coursework focuses on real-world applications, analytical problem-solving, and the development of critical thinking skills essential for Calculus and other STEM disciplines. MAT1131 is the first of four courses in UConn's calculus sequence and serves as the foundation for all subsequent calculus courses.

Course Communication

Course communication: Much of the communication for this course will occur online, via HuskyCT, email, and/or this page. Please monitor this page, course HuskyCT announcements, and your UConn email *regularly* for updates related to MATH 1131Q. However, you are also expected to be in class every day to receive important communications there, and to contact a classmate if you miss class to make sure you have not missed important course information.

Course Materials

Required Textbook: *Calculus Early Transcendentals, Single Variable* by James Stewart (9^{th} Edition), which is bundled with a *WebAssign* code for doing online homework. This course is part of the campus's course

material delivery program. **If you do not opt out of the Husky Book Bundle, the digital required materials for this course have been integrated with Blackboard and can be found in the Course Materials link in your Blackboard course. Please sign into Blackboard 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.

Lecture Slides

Lecture slides: Available for free in HuskyCT

Required Reading for Lectures

Reading/Supplements: Textbook reading **is required before lectures**. Refer to the Course Plan to determine what sections are to be read before each class.

Technical Materials

Software/Technical Requirements (with Accessibility and Privacy Information):

The software/technical requirements for this course include:

- Computer with microphone, speaker, and camera for live video/audio interaction
- HuskyCT/Blackboard (HuskyCT/ Blackboard Accessibility Statement, HuskyCT/ Blackboard Privacy Policy) Access to HuskyCT. Our class on HuskyCT will have the current Course Plan, lecture slides, grades, answer keys, and additional MAT1131Q information. Connect with the UConn IT Help Desk for assistance with your NetID, HuskyCT, or other technology issues. **Dr. Schwendner is not your IT Help Desk.**
- Adobe Acrobat Reader (Adobe Reader Accessibility Statement, Adobe Reader Privacy Policy)
- Google Apps (Google for Education Privacy Policy)
- WebAssign (privacy policy).
- Microsoft Office (free to UConn students through uconn.onthehub.com) (Microsoft Accessibility Statement, Microsoft Privacy Statement)
- Dedicated access to high-speed internet with a minimum speed of 1.5 Mbps (4 Mbps or higher is recommended).

NOTE: This course has NOT been designed for use with mobile devices.

Please see UConn's Keep Learning Page for more help using the online portions of your classes.

Minimum Technical Skills

To be successful in this course, you will need the following technical skills:

- Use electronic mail with attachments.
- Save files in commonly used word processing program formats.
- Copy and paste text, graphics, or hyperlinks.
- Create and upload a PDF or JPG file showing your handwritten work.
- Work within two or more browser windows simultaneously.
- Open and access PDF files.

A multifunctional scientific calculator is required. The TI-84 or TI-83 models are recommended for their ease of use.

Help:

Technical and Academic Help provides a guide to technical and academic assistance.

This course is facilitated online using the learning management platform, HuskyCT. If you have difficulty accessing HuskyCT, you have access to the in person/live person support options available during regular business hours through the Help Center. You also have 24×7 Course Support including access to live chat, phone, and support documents.

Course Design and Format

This MAT1131Q class will have a structure and expectations that may feel *different* from what you've experienced in other classes. This class is designed to provide an **active and collaborative learning environment** to help you be a successful learner who actively participates and takes ownership of their learning journey.

Learning is most meaningful when you interact with other classmates while you as an individual student make personal connections with innovative ideas. Passive attendance will not lead to learning. When you strive to be an engaged self-directed member of the class and reflect on the topics before and during class, then you will be successful.



Format: *This class will follow more towards a* ***flipped classroom design*** *with the expectation that students will complete all assigned readings and review the lecture slides* ***before*** ***each class.*** Class meetings will then be dynamic and interactive. The more you prepare **before** class and

participate during class, the more you will understand the key analytical ideas that drive critical thinking skills and improve your ability to solve problems.

Your presence and engagement affect your learning and the collective learning of the class. While attendance is not formally tracked, some group assignments and in-class activities will only be available during class sessions.

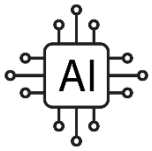
Core Materials on HuskyCT: HuskyCT will have folders (links) dedicated to the core materials (textbook readings and lecture slides) and supplemental resources. Course content is organized by textbook chapters. There will be a folder/link dedicated to each textbook chapter with all related materials (e.g., lecture slides, examples, etc.). The folders will be posted on HuskyCT/Blackboard. The lecture slides are provided as PDFs so that you can annotate online and/or take notes on the printed PDFs as you follow along with the course topics.

Weekly Time Commitment: Plan to dedicate 16+ **hours/week** for the required activities. This estimate aligns with **UConn policy on credit hours** and includes time spent reading, watching lecture videos, completing assignments, and preparing assessments. This estimate does not include time spent in student hours or accessing auxiliary resources; these optional tools add time but may help you keep up with the class.

Assessments: Quizzes will have a narrow scope while exams will have a wider scope covering several chapters. Your work must be entirely your own. Refer to the section on Academic Integrity and the UConn Student Code for details. Quizzes will be given during the last 15 minutes of class.

Digital Device Use: Please silence all devices and avoid using them for personal tasks during class. You are welcome to use digital devices for notetaking and class activities. Be respectful so that everyone can enjoy a focused learning environment.

Artificial Intelligence Tools: While AI tools may be used to assist with homework, students are strongly cautioned that ChatGPT does give incorrect answers or flawed reasoning. Reliance on AI tools undermines your learning. By doing the challenging work of hands-on practice and the analytical reasoning required to solve problems, you will develop the critical skills required to understand coursework, succeed in class, and grow as an educated learner.



Notes From Dr. Schwendner

Welcome to Calculus 1. I'm a UConn mathematics professor with a strong focus on the ways mathematical concepts connect with real situations across industry and academia. My approach to teaching is grounded in the belief that all students can learn when provided clear expectations, thoughtful support, the student's desire to learn, and an inclusive environment. An inclusive learning environment is central to my teaching. I strive to ensure that all students feel welcome, respected, and empowered to participate, regardless of their background or identity. I have many



years of experience in industry, including roles in engineering, research, management, and as a CIO, along with experience teaching at both the undergraduate and graduate levels.

Navigating college life can be overwhelming. Many UConn Stamford students are the first generation to attend college, and many are students of color. I've designed this syllabus to provide clear information about MAT1131Q and help you connect with resources providing academic and personal support. If you face any obstacles that impact your ability to participate fully in this class, I encourage you to reach out to me, your advisor, the Q Center, or Student Services. We're all here to help you. Please know that you are not alone.

Mentorship and availability are essential to my teaching approach. I strive to support my students' academic success, build their confidence and curiosity, and foster a lifelong love of learning. Take advantage of my student hours on Tuesdays and Thursdays. Student hours are a wonderful time to ask questions, review material, or talk about your academic goals and life at UConn. Your success and well-being genuinely matter to me.

I look forward to exploring Calculus with you. Whether you are just beginning your STEM journey or sharpening your problem-solving skills for more advanced STEM courses and programs, this class will help you develop the critical thinking skills and active learning processes that are required to help you succeed as a student and a lifelong learner.

Course Goals



By the end of the semester, you (learners) will:

1. Use algebraic, graphical, numerical, and analytical methods to evaluate limits and determine continuity of functions.
2. Apply limit definitions to compute derivatives and explain the derivative as an instantaneous rate of change.
3. Interpret derivatives in real-world contexts, including velocity, acceleration, and related rates problems.
4. Compute derivatives of polynomial, rational, exponential, logarithmic, and trigonometric functions using standard differentiation rules.
5. Analyze the behavior of functions using first and second derivatives to identify increasing/decreasing intervals, concavity, and points of inflection.
6. Solve optimization problems by modeling real-world situations and applying derivative techniques to find maximum and minimum values.
7. Understand antiderivatives and evaluate definite and indefinite integrals using basic integration rules and substitution.
8. Apply the Fundamental Theorem of Calculus to connect differentiation and integration and solve accumulation problems.
9. Interpret definite integrals as net area and total change and apply integrals to problems involving area and motion.
10. Communicate mathematical reasoning clearly using correct notation, graphs, and complete
11. Demonstrate how integrals are connected to the area under the graph of a function.



Strengthen your critical thinking and problem-solving skills and broaden your scientific literacy.

How to Succeed in this Course

1. Participate regularly for understanding, not just for credit.
2. Schedule your study time each week! You are expected to **spend a minimum of 16 hours per week** working on a 4-credit course.
3. Follow all the instructions provided in the learning modules on HuskyCT.
4. Read the explanations and examples from the textbook.
5. Do online homework, quizzes, and worksheets on time. Remember to follow these tips! WebAssign Tips.pdf
6. Check your understanding via Section Concept Guides (in HuskyCT modules).

Course Grading

Class Assessments

Online Homework	WebAssign	10%
Worksheets	Print, document work, hand in person	10%
Quizzes	In class (Quiz 1 is the only take home). On Thursdays (15 minutes)	15%
Exam 1: Week 4	In-class (Thursdays)	15%
Exam 2: Week 8	In-class (Thursdays)	15%
Exam 3: Week 12	In-class (Thursdays)	15%
Final Exam: May x	TBD	20%

Class Grading 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

Class participation: Active participation in class questions and discussions is expected.

Homework: Weekly homework is a required component of this course. The HuskyCT (Blackboard) MAT1131 course page has the link to WebAssign where you will do online homework. Access to WebAssign homework is only through your HuskyCT single sign-on.

You have two weeks of free access to WebAssign homework, which includes the e-book. This allows you to get started right away in case you need some time to arrange to buy a textbook with the access code. After the two-week period, you will need to provide the permanent class code to continue. The course code is a long string of numbers you will receive when you purchase the textbook.

Reading assignments are outlined in the course plan. You are expected to read these pages in the textbook before coming to class.

Each week you will have 1-3 homework assignments to do on WebAssign. Each WebAssign homework has a due date. Refer to the Course Plan for due dates. Homework assignments will be available on WebAssign several days before the section is covered in class.

Generally, online homework assignments are to be completed after the lecture. You will get five attempts for each question that is not a multiple choice. The attempts permitted for multiple choice questions will depend on the number of choices in each question. After each attempt, you will be told whether your answer is correct. If you are unable to get the correct answer after five attempts, I recommend you seek help from another student or the tutoring center – but NOT from artificial intelligence tools such as ChatGPT. Questions about the homework should be addressed with the QCenter.

Worksheets: There will be a worksheet each week that reinforces your knowledge and understanding and provides practice with writing coherent, well-reasoned answers to questions. You can access the worksheets in HuskyCT.

Assessments: Quizzes and exams will contain unfamiliar problems that test your understanding of key concepts and critical thinking.

Quizzes: There will be a quiz each week, aside from Exam weeks, **in your Thursday class**. You will have 15 minutes for each quiz (the last 15 minutes of class).

- The quiz in the first week will be a taken home and is due the next class. Each subsequent quiz will be in class and will test students on material that was taught in the previous week.
- The use of calculators **IS NOT** allowed on quizzes.
- We will drop your lowest quiz score from your final grade.

Exams: There will be three in-class Exams and a Final Exam. Exams 1-3 will be administered throughout the whole period on Thursday of the 4th, 8th, and 12th weeks of the semester. Please put these dates in your calendar – you are expected to be there.

Each of the 3 exams will cover material from several sections. There will be closed-form (multiple choice, fill in the blank) and open-form (multi-step, free response) questions. Exam questions will be based on the readings, lectures, and any supplementary material used in the chapters. Exam questions will require you to use critical thinking and demonstrate your understanding of concepts, key principles, and problem-solving processes. Exams and quizzes will include unfamiliar problems that you have not encountered before; these are aimed at testing your understanding of key concepts and your ability to apply problem-solving strategies. Each Exams 1-3 will primarily cover material from the 3-4 weeks prior to the exam. All exams are closed book. Calculator may or may not be allowed.

Comprehensive Final Exam: In accordance with UConn policy, students must be available for their final exam and/or complete any assessment during the time stated. If you have a conflict with the exam time, **you** must obtain official permission to schedule a make-up exam with the **Dean of Students.** If permission is granted, the Dean of Students will notify the instructor. Please note that vacations, previously purchased tickets or reservations, graduations, social events, misreading the assessment schedule, or oversleeping are not viable reasons for rescheduling a final exam. The Final Exam will be cumulative.

Course Due Dates: All due dates are posted on HuskyCT (WebAssign) and in the Course Plan. These dates may change as the semester progresses. Any changes will be communicated well in advance via HuskyCT announcements. Access your UConn email and the MAT1131 Course page on HuskyCT **daily** to stay current with all changes. Late work will be accepted only if you use a token as explained in the Tokens section.

Joining the Class After the Semester Begins: *If you join the course after September 5,* you may access WebAssign assignments completed before your enrollment without using a token by following these steps:

1. Email me from your **@uconn.edu** address
2. Email subject line: **MAT1131Q Joined Late**
3. Specify the date you officially joined the class
4. Identify which assignments are to be reopened

Upon receiving this email, I will reopen the relevant assignments and provide you with a new due date. You must complete the work by this updated deadline. Late submissions after the new due date will require a token, according to the Tokens policy.

Note: adding this class late (after the first class) will affect your free WebAssign access. The two-week grace time period will be prorated.

Grading System: MAT1131 Sec. 801 emphasizes student autonomy and skill development. Assessments



will have a raw score (e.g., 68/85) and the corresponding letter grade (e.g.,68 B-). Letter grades may include a curve for certain assessments. A key feature of this system is the freedom it gives you to shape your learning experience. From the start, it will be clear what you need to do to earn a certain grade. You have the option to use tokens for homework

resubmissions and to retake quizzes/exams. This approach can reduce stress and help you master the material.

I particularly like the way the following quote defines the value of satisfactory achievement:

> "In general, Satisfactory should not be viewed as 'minimally competent' but rather as a mark of having achieved the assignment's learning goals and specifications…The final letter grade is not an assessment of your intelligence, your abilities, or your value as a person. Rather, the grade reflects what you demonstrated that you learned in the course: no more, no less.
>
> 
>
> "Built into this system is a good deal of choice as to how much you wish to learn and how hard you want to work to demonstrate and apply that learning. You might choose that passing the course with a C is sufficient for your goals – it is a perfectly appropriate and worthy of respect for you to make that choice, especially if it allows you to proactively allocate your time to other endeavors. If you strive to get an A in the course and maximize your learning, you should know that you are taking on that work and challenge yourself and should make sure you are in a personal and academic situation to achieve that level of engagement. "[Blackstone and Oldmixon, 2019, p197]



Academic Integrity and the UConn Student Code

Everyone is responsible for acting in accordance with the UConn Student Code. Be sure to read it carefully. The Academic Integrity in Undergraduate Education and Research section is particularly relevant to MAT1131Q. By submitting your work through HuskyCT after logging in with your unique NetID and password, you are certifying that you completed the work yourself.

Academic integrity is a core value at UConn. Violations such as cheating and plagiarism are taken very seriously. Whether intentional or unintentional, these violations undermine the learning process and will result in consequences according to UConn policies on academic dishonesty. Unauthorized use of tools such as ChatGPT, cell phones, smartwatches, or other electronic devices during assessments constitutes cheating.



Any student engaged in academic dishonesty will receive a course grade of F.

Tokens

Each student starts the semester with 2 tokens that can be used to resubmit work, make up late assignments, or retake assessments. If an assignment has multiple parts, a single token covers all parts of that assignment.

Tokens cannot be used on the final exam. Tokens cannot be used to resubmit work that originally earned a grade of B or higher.

Using Tokens: Tokens must be used within one week after the original deadline or the date the homework/quiz/exam was returned.

Examples of token use:

- You missed the deadline due on September 15. You may use a token to reopen the homework, but you must request it by September 22.
- You earned a D on a quiz that was returned on October 3. You may use a token to retake the quiz with a new set of problems, but you must request it by October 10.
- You earned a C- on an exam returned on November 2. You may use a token to retake the exam with a new set of problems, but you must request it by November 9.

To Redeem Tokens: To use a token, follow these instructions: Send me an email and clearly identify in the subject line the specific task (homework, exam, etc.) you want to redo. Please allow up to two business days for me to respond to your request. A return email will be sent to you with the new deadline date. All redo's will be taken during the student hours only. Once processed, your updated grade will appear under "My Grades" on HuskyCT. The higher score will be used for that assignment.

Class Communication Policies

Check HuskyCT Announcements Regularly: I will post important course updates and reminders in the Course Plan and Announcements section of our HuskyCT course page. Check it frequently to stay informed about assignments, deadlines, and any changes to the schedule. HuskyCT announcements will automatically be emailed to you.

Use the HuskyCT Discussion Board for Class Questions: You can open an online discussion for student help/response/assistance. Check out the existing threads to see if your question has already been answered. If it hasn't, click "Create Thread" to post your question. You may post anonymously.

Email Policies

I try to respond to emails that follow these guidelines within two business days (Mon-Fri 9AM-5PM, excluding holidays and university breaks. Send an email from your **@uconn.edu** address. Here's some email guidelines to help me be responsive to you:

Questions about grades or class material: These types of questions are best discussed **in person** either before/after class or during student hours.

To request a one-on-one meeting: Subject line: MAT1131Q meeting request. Provide a reason why you can't use student hours. Provide brief reasons for the meeting.

Questions about submitted tokens: Subject line: MAT1131Q Token. Identify the token number, related assignment, and the original submission due date. Provide brief, clear questions.

For general information requests: Try to follow the Three-Before-Me rule BEFORE emailing me. This means you try to answer your question by consulting at least three other sources (HuskyCT discussion board, class syllabus, or other resources in HuskyCT folder for the class, other classmates). Subject line: MAT1131Q Information Request. Identify the three other sources you tried. Provide a brief description of the question.

Student Responsibilities and Resources

Course Culture: In this class, we share the responsibility to create a welcoming, respectful, and inclusive learning community. Every student deserves to feel valued and supported as an essential member of this community. Treating one another with kindness and mutual respect is vital for individual well-being and strengthens our collective ability to learn and grow.

It is important to listen with openness and curiosity as we explore topics that are complex and potentially sensitive. Participate in care. We will keep justice, equity, and inclusion at the forefront of our words and actions so that we foster an environment where all voices are heard and respected.

Adding or Dropping a Course: If you decide to add/drop a course, follow the official procedures by the dates listed on the UConn Academic calendar. Refer to the Undergraduate Catalog for details.

Students with Disabilities: UConn is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. For more information about accommodations, contact the Center for Students with Disabilities, Wilbur Cross Building, Room 204, (860) 486-2020, or http://csd.uconn.edu/. Note: CSD requires students to arrange accommodation for each semester.

Accommodations for Illness or Extended Absences: If life circumstances (including extended illness) affect your ability to complete your coursework, reach out to the Dean of Students to request accommodations.

Well-being, Growth, and Success

Remember: **all students can succeed in this class.** Success in Precalculus, your educational career, and life beyond college depends on your personal health, your desire to learn, and well-being. Stress is an expected part of the university experience that can be compounded by unexpected setbacks or life changes that occur outside the classroom.

I encourage you to develop a *growth-focused mindset* to reframe challenges and overcome obstacles this semester. Reflect on your role to take care of yourself throughout the semester so that you can cope with the demands from coursework and projects increase. When you maintain self-care and awareness, you will grow as a learner and a person.

We are here to help you succeed in this class and your educational journey. UConn has many services to help you as a student and as a person: technical assistance, career services, advising, Q Center tutoring, and counseling. You are not alone.

Academic Support:

HuskyCT 24/7 Course Support
Husky Study Groups
UConn Academic Achievement Center
UConn Academic Calendars
UConn Dean of Students Office
UConn HuskyCT FAQ
UConn Online Student Center and eCampus Services
UConn Psychological Sciences Major Advising
UConn Student Technology Training course on HuskyCT (made for and by students)

Whole-Person Support:

UConn Alcohol and Other Drug Services
UConn Center for Career Development
UConn Cultural Centers
UConn Student Health and Wellness Mental Health (SHaW-MH)

UConn Policy Against Discrimination, Harassment, and Related Interpersonal Violence

This University is committed to maintaining an environment free of discrimination or discriminatory harassment directed toward any person or group within its community – students, employees, or visitors. Academic and professional excellence can flourish only when each member of our community is assured of an atmosphere of mutual respect. All members of the University community are responsible for maintenance of an academic and work environment in which people are free to learn and work without fear of discrimination or discriminatory harassment. In addition, inappropriate amorous relationships can undermine the University's mission when those in positions of authority abuse or appear to abuse their authority. To that end, and in accordance with federal and state law, the University prohibits discrimination and discriminatory harassment, as well as inappropriate amorous relationships, and such behavior will be met with appropriate disciplinary action, up to and including dismissal from the University. Additionally, to protect the campus community, all non-confidential University employees (including faculty) are required to report sexual assaults, intimate partner violence, and/or stalking involving a student that they witness or are told about to the Office of Institutional Equity. The University takes all reports with the utmost seriousness. Please be aware that while the information you provide remains private, it will not be confidential and will be shared with university officials who can help. More information is available at equity.uconn.edu, titleix.uconn.edu, and the Office of the Provost.

MAT1131Q Spring 2026 Course Plan

The Course Plan for UConn Stamford MAT1131Q follows the same structure as the UConn Storrs campus. Because updates may occur throughout the semester, the current version will always be available on HuskyCT under **Course Plan**. Check the online course plan regularly to stay informed of any changes.

Week	Tuesday	Topics	Thursday	Topics
1	1/20/25	Welcome Syllabus	1/22/2025	2.2 The Limit of a Function
		2.1 The Tangent and Velocity Problems		2.3 Calculating Limits Using the Limit Laws
		2.2 The Limit of a Function		**Quiz 1** (Algebra/PreCalculus) Obtain online, print and then hand in 1/22
2	1/27/25	2.3 Calculating Limits Using the Limit Laws	1/29/2025	2.5 Continuity
		2.5 Continuity		2.6 Limits at Infinity; Horizontal Asymptotes
		2.6 Limits at Infinity; Horizontal Asymptotes		**Quiz 2 (2.1,2.2)**
				WS 2.1,2.2
3	2/3/25	2.7 Derivatives and Rates of Change	2/5/2025	2.8 The Derivative as a Function
		2.8 The Derivative as a Function		3.1 Derivatives of Polynomials and Exponential Fcns
		WS 2.3,2.5-2.6		**Quiz 3 (2.3, 2.5-2.6)**
4	2/10/25	3.1 Derivatives of Polynomials and Exponential Fcns	2/12/2025	**Exam 1 (2.1-2.3,2.5-2.8)**
		3.2 The Product and Quotient Rules		
		WS 2.7-2.8		
5	2/17/25	3.3 Derivatives of Trigonometric Functions	2/19/2025	3.4 The Chain Rule
		3.4 The Chain Rule		3.5 Implicit Differentiation
		WS 3.1-3.2		**Quiz 4 (3.1-3.2)**
6	2/24/25	3.5 Implicit Differentiation	2/26/2025	3.8 Exponential Growth and Decay
		3.6 Derivatives of Logarithmic and Inverse Trig Functions		3.9 Related Rates
		WS 3.3-3.5		**Quiz 5 (3.3-3.5)**
7	3/3/25	3.9 Related Rates	3/5/2025	3.10 Linear Approximations and Differentials
		WS 3.6,3.8		**Quiz 6 (3.6, 3.8)**
8	3/10/25	4.1 Min and Max problems	3/12/2025	**Exam 2 Sections 3.1-3.6, 3.8-3.10**
		4.2 Mean Vallue Theorem		**WS 3.9-3.10**
	3/17/25	Spring Break	3/19/2025	Spring Break
9	3/24/25	4.3 How Derivative Affect the Shape of the Graph	3/26/2025	4.4 Indeterminant forms and L'Hospital's Rule
		4.4 Indeterminant forms and L'Hospital's Rule		**Quiz 7 (4.1, 4.2)**
				WS 4.1-4.2
10	3/31/25	4.7 Optimization	4/2/2025	4.7 Optimization
				4.8 Newton's Method
				Quiz 8 (4.3, 4.4)
11	4/7/25	4.9 Antiderivatives	4/9/2025	5.1 Areas and Distances
		5.1 Area and Distances		5.2 The Definite Integral
		WS 4.7.4.8		**Quiz 9 (4.7-4.8)**
12	4/14/25	5.3 The Fundamental Theorem of Calculus	4/16/2025	**Exam 3 Sections 4.1-4.4, 4.7-4.9, 5.1**
		5.4 Indefinite Integrals and the Net Change Theorem		
		WS 4.9-5.2		
13	4/21/25	5.5 Substitution Rule	4/23/2025	6.1 Areas Between Curves
		6.1 Areas Between Curves		**Quiz 10 (5.3, 5.4)**
		WS 5.3-5.4		
14	4/28/25	6.2 Volumes	4/30/2025	6.2 Volumes
		WS 5.5,6.1		**Quiz 11 (5.5, 6.1)**
15	Week of 5/5	**Final Exam**		
		Cumulative Final Exam/ University Finals Week TBA		
		WS 6.2		

MAT1131Q Spring 2026 Worksheet Plan

WorkSheet Coverage	Due Date
2.1-2.2	Thursday, January 29, 2026
2.3,2.5-2.6	Tuesday, February 3, 2026
2.7-2.8	Tuesday, February 10, 2026
3.1-3.2	Tuesday, February 17, 2026
3.3-3.5	Tuesday, February 24, 2026
3.6,3.8	Tuesday, March 3, 2026
3.9-3.10	Thursday, March 12, 2026
4.1-4.2	Thursday, March 26, 2026
4.7-4.8	Tuesday, April 7, 2026
4.9-5.2	Tuesday, April 14, 2026
5.3-5.4	Tuesday, April 21, 2026
5.5,5.6	Tuesday, April 28, 2026
6.2	Saturday, May 2, 2026