MATH 1132
Calculus II

Summer 2026

Faculty Information:

- Name: Dr. Amineh Farzannia
- Office Location: Online
- Office Hours: MW 1:00 PM-2:00 PM or by Appointment
- Email: amineh.farzannia@uconn.edu

Course description:

This course is a synchronous course but before the start of the semester all the lecture notes and recordings will be uploaded. Student will be able to cover the course at their own pace. We still stream the class online and attendance is not mandatory.

Please consider enrolling early in this course, as it typically fills quickly. Once the add/drop period ends, no additional students can be accommodated if the class has reached capacity.

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.

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.

Textbook:

The textbook for the course is *Calculus Early Transcendentals, Single Variable* by James Stewart (8th Edition), which is bundled with a *WebAssign* code for doing online homework. **You only need to buy ONE of the three textbook/WebAssign bundles listed at the bookstore, OR a 1-term Cengage Unlimited Subscription**; When enrolling for the course, you can add the webassign bundle to your enrollment.

Course Objectives: This course focuses on techniques and applications of integral calculus, infinite series, and differential equations. Concepts will be treated from a geometric, algebraic, and numerical perspective.

Homework and WebAssign:

Homework: To access the online homework you will have to go through HuskyCT. There will be homework assignments for each section of the text. Each assignment will be made available on WebAssign before the section is covered in class. The due date for each assignment will be set by your instructor. **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.

*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** Tips for Students on Using WebAssign **document for help with accessing WebAssign and entering your answers correctly.***

Note: Due date for all Hws is August 14th.

Exam information

There will be two midterm exams and one Final.

The final exam is Not cumulative and all the exams are presented online.

Class Participation: Class participation is not required. Students who choose not to participate in online session must watch the videos and finish all HWs online and take all the exams.

Husky CT: Class lecture notes, videos and important announcements will be posted on HuskyCT.

Makeup Policy for exams: In general, you will not be allowed to make up an exams., In circumstances where you have a medical, family or personal emergency which prevents you from taking your test on time, a proof in the form of doctors' note excusing you from work need to be provided. If you are an athlete who will miss class time, quizzes, homework, worksheets or exams, you will need to ask your athletic advisor to send an email to your instructor stating the circumstances for the absence.

In case of a missed exam please contact your instructor as soon as you know you will miss it, and no later than 24 hours after the exam. If you fail to contact within 24 hours, you will be penalized 5% for every day until on week. After the first week from the date of exam, your grade will be zero. In extreme cases documentation must be provided and the exam grade will be replaced by the related exam portion of the final.

Academic Dishonesty: In case of academic dishonesty, you will be asked to withdraw the course and a behavioral report will be submitted.

Accommodations: Any student with a documented disability and accommodations should contact Disability Support Services as soon as possible.

Basic Needs: Any student who faces challenges securing their food or housing and believes this may affect their performance in the course is urged to contact the Dean of Students for support.

Respect & Civility: In addition to upholding the Academic Integrity Policy, we (students and instructor) will all work to create a classroom where people are comfortable participating. We will work together to treat each other with respect and value everyone's input and questions. There is an expectation that everyone will behave in a manner that is non-disruptive, respectful, and safe. Anyone that exhibits disruptive behavior may be asked to leave during the class in which such behavior occurs.

Diversity & Inclusivity: It is my intent that students from diverse backgrounds and perspectives be well served by this course, that students' learning needs be addressed both in and out of class, and that the diversity that students bring to this class be viewed as a resource, strength, and benefit. It is my intent to present materials and activities that are respectful of diversity: gender, sexuality, disability, age, socioeconomic status, ethnicity, race, and culture. Your suggestions are encouraged and appreciated.
Please let me know ways to improve the effectiveness of the course for you personally or for other students or student groups. In addition, if any of our class meetings conflict with your religious events, please let me know so that we can work together to make arrangements for you.

Grading Scale: Grades will be based on the following guidelines:

- 40%-Homework
- 20% - Test 1
- 20% - Test 2
- 20% - Final Exam

Grading scale : 92- 100% A, 90- 92% A-, 85-90% B+, 82-85% B, 80-82% B-, 78-80% C+, 72-78% C, 70-72% C-, 60-70% = D, 0-60% = F

Academic Integrity/Misconduct

This course expects all students to act in accordance with the Guidelines for Academic Integrity at the University of Connecticut. In mathematics, this means that all work that you turn in should be written up independently by you, in your own words, and should represent your honest understanding of the material. On exams and quizzes, it should be noted in particular that this means you must not consult any sources or materials: neighbors' papers, calculators, and any notes, books, or electronic devices are off-limits. If you have questions about academic integrity or
intellectual property, you should consult with your instructor. Additionally, consult UConn's guidelines for academic integrity

Disruptive Behavior:

Note: Disruptive behavior of any form will not be tolerated in this class and will be reported to the university and Campus police immediately. For Uconn Community standards check out Student Code and Student Behavior. For the complete information please here and here.

In case of any disruptive behavior, I will first send you a warning Email. Except for the first Email you receive, every warning Email will cost you 5 percent of your earned grade in the very next evaluation (Exam, Quiz or Project).

MATH Q1132 Possible Schedule

Week	Dates	Topics
1	07/13/2026	Integration by parts
2		Trigonometric Integrals
		Trigonometric Substitution
3		More practice on trigonometric Integrals/substitutions
		Integration of rational Functions
4		Improper Integral
	07/20/2026	Review, Strategy for Integration
5		Arc Length
		Area of Surface Revolution
6		**Midterm Exam 1**
		Differential Equations
7		Separable Equations
	07/27/2026	Linear Equations
8		Parametrized Curves
		Polar coordinates, area length in polar coordinates.
9		Sequences
		Series
10	07/31/2026	**Midterm Exam 2**
	08/03/2026	Comparison tests
11		Alternating Series, absolute convergence, ratio and root tests
		Absolute Convergence and Ration/Root Tests
12		Strategy for Testing Series
		Power Series
12		Representation of Functions with Power Series
	08/10/2026	Taylor and Maclauren Series
14		Parametric Surfaces and their areas
		Strategies for Tylor/Maclauren/Power Series

This is just the suggested schedule. The instructor reserves the right to change this schedule if necessary. **The Exam Quiz dates will not change and will be held on the given date**. It is students' responsibility to prepare themselves for Quizzes and exams at the given date above.