MATH 1132Q – Section 320: Calculus II

Summer 2024

07/08/2024 to 08/09/2024

Please note that the content of this syllabus, except required course materials, are subject to change by 07/10/2023.

Instructor: Dr. Vindya Pathirana

How can you contact me?	How can you meet with me? **Online** Use **Nexus** to make 30-minute appointments.	Class Format:	How can you access class materials?
Dr. Vindya Pathirana (Dr. V) vindya.pathirana@uconn.edu	**Thursday** **10:00 AM – 4:00 PM** **(via WebEx)**	**Online – Asynchronous**	**Online on HuskyCT**

Important!

- As this course is offered in the online-asynchronous format, there won't be scheduled meeting times/days.
- You will have access to the course materials including lecture notes, lecture recordings, and workout example recordings online in **HuskyCT**.
- *Please **do not** use the HuskyCT/Blackboard messaging system, as it will not be checked regularly.*
- *Please note that you **cannot** schedule an appointment for online office hours on the same day.*
- *All times for due dates (Exams, Worksheets, & Homework), online office hours, and Tutoring Center hours in this course are given in **US Eastern Time (EDT)**.*

What Will You Learn in This Course?

Transcendental functions, formal integration, polar coordinates, infinite sequences and series, and parametric equations, with applications to the physical sciences and engineering.

What is the Prerequisite?

MATH 1131 or advanced placement credit for calculus (a score of 4 or 5 on the Calculus AB exam or a score of 3 on the Calculus BC exam). Recommended preparation: A grade of C- or better in MATH 1131.

What are the Required Materials?

Cengage/WebAssign access and the Husky Book Bundle:

The textbook for the course is ***Calculus: Early Transcendentals*** **by James Stewart (8th Edition),** which is bundled with a WebAssign access code for online homework.

SUMMER 2024 MATH 1132Q 320 (1 required)

Professor PATHIRANA



REQUIRED

Custom Instant Access Code for Calculus Early Transcendentals

By Stewart
Edition : 8TH 22
Publisher : CENGAGE CU
ISBN 13 : 8220128598841

Digital

◉ $77.11 Digital Purchase
Online access for 1825 Days,
perpetual offline download access

Digital Rights

ADD TO CART

You can find the course materials on UConn bookstore website using the link UConn bookstore.

Campus: Storrs & Waterbury **Term: Summer 2024** **Department: MATH**
Course #: 1132Q **Section: 320**

IMPORTANT!

- If you already purchased a textbook and HW access for MATH 1131Q at UConn, you do not need to repurchase anything for MATH 1132Q and your HW access will still be valid.

What Topics will be Covered?

Chapter 6 – Applications of Integration:	**6.4**
Chapter 7 – Techniques of Integration:	**7.1 – 7.4, 7.7 & 7.8**
Chapter 8 – Further Applications of Integration:	**8.1**
Chapter 9 – Differential Equations:	**9.1 & 9.3**
Chapter 10 – Parametric Equations and Polar Coordinates:	**10.1 – 10.4**
Chapter 11 – Infinite Sequences and Series:	**11.1 – 11.11 (omit 11.7)**

Dates to Remember:

Tuesday, July 08	Summer Session 2 begins.
Friday, July 12	Last day to add or drop a course without additional signature. Courses dropped after this date will have a "W" for withdrawal recorded on the academic record.
Thursday, August 08	Last day to withdraw from a course.
Friday, August 09	Last day of summer session 2.
Monday, August 12	Semester grades due.

What digital technology tools and equipment will you need for this course?

Because this is an online class, you will need a computer and internet to access the course. In addition, we will be using Respondus Lockdown Browser to proctor exams. All proctoring will require the use of a webcam. Finally, some of the course assessments will require you to upload a PDF of your work. For this, you will need access to a device that will allow you to scan and save your work as a PDF document, such as a scanner or scanner app on a smartphone.
It is recommended (not mandatory) that you take Student Technology Training - a video training for students available on HuskyCT Institution page under "Useful Links for Students".

Can I Use a Calculator?

Calculators are not allowed for exams. However, scientific and/or Models TI-82, 83, 84, 84-plus may be used on WebAssign Homework and Worksheets. Calculators that can perform symbolic computations, such as models TI-89 and above (including TI-Nspire), are NOT permitted.

Can I use my Cell Phone?

Cell phones cannot be used as calculators. All cell phones must always be turned off and kept out of sight during the exams. Once you finish an exam, you may use your cell phone or other electronic device to scan your exam solutions to submit to HuskyCT.

How will I be assessed in this course?

****** For all handwritten assessments, please note that all work must be shown ******

NO WORK = NO CREDIT

Midterm Exams (70%):

There will be *4 midterm exams* given during the semester. The 3 best exam grades count 60% (20% each) and the lowest exam counts 10% of your course grade. *No makeup exams will be given*.

Exam 1 – Sec 7.1 - 7.4, 7.7, 7.8, 6.4, 8.1 **- Friday, July 19**
Exam 2 – 9.1, 9.3, 10.1 – 10.4 **- Friday, July 26**
Exam 3 – Sec 11.1 - 11.5 **- Friday, August 02**
Exam 4 – Sec 11.6, 11.8 – 11.11 **- Friday, August 09**

Please Note: *Exam dates are tentative and subject to change depending on progress of course.*

Worksheets (15%):

There will be short worksheets (2-3 problems) accompanying each of the sections covered in this class and they will be available on HuskyCT. You need to submit your worksheet via Gradescope, which is linked with the HuskyCT section. **To access worksheets**, go to HuskyCT, and then **click on the Worksheet link**. 3-lowest worksheet grades will be dropped, so there will be *no make-up worksheets* for any reason. Please do not even ask. **The worksheets will be due on Thursdays at 11:59 PM.**

WebAssign Homework (15%):

Homework assignments are accessed through the online homework system called WebAssign. On WebAssign, you also have an electronic copy of the textbook, together with other resources such as lecture videos & examples. There is an online homework assignment for each section we cover. **To access homework assignments**, go to the **HuskyCT**, and then **click on the WebAssign Homework link**.

*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 first two attempts, please talk to someone about it – this could be your professor, a fellow classmate, a tutor, or someone at the Waterbury Tutoring Center. The 3 lowest homework grades will be dropped.

*Warning: When accessing your online homework, use **Chrome or Firefox as your browser**; there are problems that can occur if you use Internet Explorer or Safari. Useful tips on using WebAssign can be found here.*

****** The homework will be due on Thursdays at 11:59 PM each week (see course calendar).***

****** You can use a 14-day free trial period to complete your WebAssign homework until you purchase/receive an access code.***

****** Please note that the 14-day FREE trial starts on the first day of the WebAssign course start date. (July 08).***

You may request an automatic extension (with no penalty) via WebAssign for each assignment within 3 days after the due date. This automatic extension will reopen the assignment for another 3 days after the due date. For example, if WebAssign HW 7.1 is due by 11:59 pm on Thursday, July 18, 2024, and you request an extension on Saturday, July 20, 2024, at 10:15 am,

the automatic extension will reopen WebAssign HW 7.1 until 11:59 pm on Sunday, July 21, 2024. If you request an extension for WebAssign HW 7.1 on Monday, July 22, 2024, at 12:05 am, you will have missed the 3-day extension window.

Please note that you are unable to request an extension until AFTER the original due date has passed.

Grading Breakdown:

EVENT	PERCENTAGE
3 Best Exams	60%
Lowest Exam	10%
Worksheets	15%
WebAssign Homework	15%
Total	**100%**

Success in this course depends on the amount of time and effort spent working through the homework to understand the material, not the time and effort spent memorizing and imitating examples.

Grading Policy:

The plus/minus grading system will be used. If your overall percentage of total points falls into the following range, you will receive the corresponding grade:

GRADING SCALE			
93-100%	**A**	73-76%	**C**
90-92%	**A-**	70-72%	**C-**
87-89%	**B+**	67-69%	**D+**
83-86%	**B**	63-66%	**D**
80-82%	**B-**	60-62%	**D-**
77-79%	**C+**	0-59%	**F**

Exam Policies

Proctoring

LockDown Browser and Monitor will be used to proctor each of the four midsemester exams in this class.

LockDown Browser

We will be giving the exam through HuskyCT's testing tool and will be requiring the LockDown Browser for taking the exam. The LockDown Browser is a browser that must be downloaded and installed on the computer with which you will be taking your exam. When you are ready to take your exam, you will have to open your exam through the LockDown Browser. During that time, you will be unable to access other applications. For information about downloading, installing, and using the LockDown Browser, please visit LockDown Browser for Students.

Authentication and Monitor

I will also be using the Monitor feature on the LockDown Browser. The Monitor feature will record you as you take your exam. Because of this, you will need a webcam for the purpose of taking your exam. Without a working webcam, you will not be able to proceed with the exam. Before beginning the exam, you will need to do two things:

Authentication

Hold up your ID (UConn or other university or government-issued ID that allows us to clearly see your name and picture together) to the camera. For more information about why we are requiring authentication, please visit Authentication of Students in the Event of Teaching Disruption.

Environment check

Use your webcam to scan the entire room so we can be sure that no unauthorized materials are being used.

Makeup Exams

Missing an exam is a serious issue. If you miss any of the first three exams due to an **excused absence**, a makeup exam will be given on **Thursday, August 08**. Reasons for excused absences include illness, deaths in the immediate family and other documented crises, call to active military duty, court-imposed legal obligations (e.g., jury duty and subpoenas), religious days, special requirements of other courses and university sponsored events (e.g., performances,

games/meets, judging trips, field trips), and severe weather conditions. Students must notify their instructor of scheduled absences (for approved reasons as noted above) at the beginning of each academic term or at least a week prior to the scheduled absence. Pointing out specific conflicts with scheduled examinations or other scheduled assignments/activities should be part of this notification.

- *In case of a missed exam please make effort to contact your instructor (via Uconn e-mail) as soon as you know you will miss it, and no later than 24 hours after the exam.*
- *Please note that employment schedules, vacations, previously purchased tickets or reservations, graduations, social events (family reunions, etc.), misreading the assessment schedule, and oversleeping are not viable reasons for a makeup exam.*
- *Unless it is a medical reason, students must provide documentation to support the absence. All communications regarding this must be conducted via UConn e-mail.*
- *A student cannot make up more than one midterm exam during the semester.*
- *In a rare occasion, if a student also misses the makeup exam day, due to excused absence, an appropriate temporary grade will be assigned. The date and time of a makeup exam will be an agreement between the student and the instructor based on the availability of both instructor and the student. All the communications regarding this must be conducted via UConn e-mail. More information on Temporary Grades can be found here.*
- *In another rare occasion, if a student misses two midterm exams due to excused absences (for both exams), an appropriate temporary grade will be assigned. The date and time to make up the second missing exam will be an agreement between the student and the instructor based on the availability of both the instructor and the student. All communications regarding this must be conducted via UConn e-mail. More information on Temporary Grades can be found here.*

  Any other situation will be addressed on a case-by-case basis.

RESOURCES AND POLICIES

Q Center (Storrs):

For extra help in this class, please be sure to visit the Quantitative Learning Center (Q-Center).

HuskyCT and UCONN Email:

All students are provided with an official UCONN email address that is the primary means of communication between the students and the instructor outside of the class. All the class announcements and class notes will be posted on HuskyCT. Students should check HuskyCT regularly for class announcements and course materials. Additionally, students can view and track grades through HuskyCT.

Email policy:

Any email you send to your instructor must have the subject heading: "**MATH 1132Q**" or "**Calculus II**". In the body of the e-mail, you must identify yourself (first and last names).

Late Assignments:

No late assignments will be accepted. If you fail to take an exam, or if you do not submit a exam or an assignment on time, you will receive a grade of 0 for that test, or assignment.

Zero Tolerance Policy

If a student is caught cheating on any of the assessment components whether it is a single homework, worksheet, quiz, or exams regardless of the weight of the assessment towards the final grade, the student shall receive a **F** for the entire course and will be reported to the community standards office. **No exceptions.**

Request for Accommodations:

Student Disability Policy: The Center for Students with Disabilities (CSD) at UConn provides accommodation and services for qualified students with disabilities. If you have a documented disability for which you wish to request academic accommodation and have not contacted the CSD, please do so as soon as possible. Detailed information regarding the accommodations process is also available on their website or at www.csd.uconn.edu.

Academic Integrity and Disruption of Academic Process:

We expect the highest standard of academic integrity from our students. Any cheating will result in a failing grade for the assignment, quiz, or the exam, and possibly for the course. This course expects all students to act in accordance with the Guidelines for Academic Integrity at the University of Connecticut. Because questions of intellectual property are important to the field of this course, we will discuss academic honesty as a topic and not just a policy. If you have questions about academic integrity or intellectual property, you should consult your instructor. Additionally, consult UConn's guidelines for academic integrity.

Temporary Grades – I, N, or X: Please refer to office of the registrar/grades.

S-U Grade Policy: Please refer to office of the registrar/grades

The Courses with a Q Designation:

This course is a Q course, meaning that it has been approved as meeting the General Education requirements for the Quantitative competency. It is a university requirement that Courses with a Q designation should have the following attributes:

- Mathematics and/or statistics at or above the basic algebra level must be an integral part and used throughout the course.
- Courses must include use of basic algebraic concepts such as formulas and functions, linear and quadratic equations and their graphs, systems of equations, polynomials, fractional expressions, exponents, powers and roots, problem-solving and word problems. Formal abstract structures used in symbolic logic and other algebraic analyses are acceptable.
- Courses should require the student to understand and carry out actual mathematical and/or statistical manipulations and relate them to whatever data might be provided in order to draw conclusions. Merely feeding numerical data into a program on a computer or a calculator to obtain a numerical result does not satisfy this requirement. Technology should be viewed as a tool to aid understanding and not as a driver of content.

Miscellaneous Policies:

- Please do not hold conversations, either with your classmates or your cell phones, during the lecture sessions. (Cell phones must always be turned off).
- State common law and federal copyright law protect my lectures, notes, handouts, assessments, and displays. Students are authorized to take notes in our class; however, this authorization extends only to making one set of notes for your own personal use and no other use. You must obtain permission from us if you wish to audio record or video record my lecture. If you are so authorized to record my lectures, you may not copy this recording or any other material, provide copies of either to anyone else, or make a commercial use of them without prior permission from me. Posting any of my assessments, including but not limited to exams, quizzes, and solutions to recommended problems to any website or social media site violates this policy.
- Please refer to the References for Syllabi Links for more information regarding important university policies. For other issues not addressed in this syllabus see the UCONN Undergraduate Student Catalog.
- The University's COVID website has the most up-to-date information on the precautions placed on campus to keep everyone safe: https://covid.uconn.edu/.

Your instructor reserves the right to make changes to the course syllabus and/or calendar for clarification, to correct any errors, or to adjust to the needs of the class (e.g. addressing learning pace, responding to student feedback, coping with unforeseen circumstances)

Syllabus last updated: May 19, 2024