

Math 1132Q

Spring 2022

Calculus II

Sections: W32 TuTh 3:30 - 5:10 PM

Room: WREC 303

Instructor: Stephen Zito

E-mail: stephen.zito@uconn.edu

Personal Website: <https://www.stephen-zito.math.uconn.edu/>

Office Hours: WTBY 315 12:30 - 1:45. Virtual appointments.

Text: *Calculus Early Transcendentals, Single Variable*, 8th ed., by James Stewart

Course Description:

- Transcendental functions, formal integration, polar coordinates, infinite sequences and series, vector algebra and geometry, with applications to the physical sciences and engineering.
- The course will be primarily face-to-face lecture and discussion.
- Submission of course work will be (mostly) via HuskyCT.
- All information and materials will be posted to HuskyCT.
- One-on-one and group video sessions will be via Blackboard Collaborate.

Homework:

- Homework will be posted every Tuesday and Thursday.
- These will NOT be collected.
- I highly recommend attempting as many problems as possible. Math is a skill and you only get better at a skill by practicing.
- To do well in the course, you must do the homework.

Quizzes:

- There will be quizzes every Tuesday and Thursday.
- I will post the quiz by 9:00 AM on HuskyCT.
- Each quiz is worth 5 points.
- The topic of each quiz is the previous class material.

Quiz submission policies:

- Quizzes MUST be submitted via HuskyCT. Email submissions will not be accepted.
- Any format is acceptable as long as I can see it, open it, and read it.
- All quizzes are due by 11:59 PM.
- ANY submission after this time will result in a zero.
- You have ONE and only ONE submission.
- If you submit the wrong file or a corrupted file, this will result in a zero.
- A saved draft but no submission will result in a zero.

Exams

- Exam 1 will be 2/17/22.
- Exam 2 will be 3/31/22.
- The final exam will be the week of 5/2/22 - 5/7/22.
- The exams are in-class.

Make-Up Policy:

- There are **NO** make-ups on quizzes. Let me repeat that “**NO** make-ups.”
- I will drop five quizzes at the end of the semester.
- There are **NO** make-ups on exams. Let me repeat that “**NO** make-ups.”
- If you miss an exam, then the percentage weight carries over to the next exam.
- There is no retroactive adjustment of any exam percentages.

Grades:

Quizzes	every week	25%
Exam 1	2/17	25%
Exam 2	3/31	25%
Final Exam	TBD	25%

Disabilities

- If you anticipate or experience physical or academic barriers based on disability or pregnancy, or require accommodations, please contact Rachel Julian, Waterburys CSD Regional Campus Coordinator, to discuss options.
- Her email is Rachel.julian@uconn.edu and she can also be reached through the Center for Students with Disabilities (860) 486-6899, or <http://csd.uconn.edu/>.
- <https://csd.uconn.edu/documentation-guidelines/>
- <https://csd.uconn.edu/regional-campus-students/>

Mental Health

If you are experiencing undue personal or academic stress at any time during the semester or need to talk with someone about a personal problem or situation, I encourage you to seek support as soon as possible. I am available to talk with you about stresses related to your work in my class. Additionally, I can assist you in reaching out to any one of a wide range of campus resources, including:

- Mental Health Resource Center 203-236-9817 or Claudia.Pina@uconn.edu
<https://waterbury.uconn.edu/student-life/student-resources/mental-health/>
- Student Services and Academic Advising <https://waterbury.uconn.edu/student-life/student-resources/student-affairs/>
- Center for Students with Disabilities <https://csd.uconn.edu/>

General Thoughts

- Communication is **KEY**. Please, don't be afraid to contact me if you have questions, concerns, or comments.
- Seriously, contact me and we can go over any problem or topic you want.
- Please, try not to google every single question. If you're stuck, contact me and we can talk it through.
- Remember, the exams are all in-person. If you have not adequately prepared, the exams will be quite challenging.
- Midterm grades are required for all 1000 level classes. I will post midterm grades after Exam 1. They are meant to give you an idea of how you're faring in the course so far. The grades are not permanent and do not affect your GPA.

Tentative Schedule:

Week	Section	Topic
1	Introduction, 7.1	Review and Integration By Parts
	7.2	Trigonometric Integrals
2	7.3	Trigonometric Substitution
	7.4	Partial Fractions
3	7.7	Approximate Integration
	7.8	Improper Integrals
4	other sources	Additional Topics
	other sources	Additional Topics
5		Review
		Midterm Exam 1
6	11.1	Sequences
	11.2	Series
7	11.3	Integral Test and Estimates
	11.4	Comparison Tests
8	11.5	Alternating Series
	11.6	Absolute Convergence, Ratio and Root Tests
9		Spring Break
		Spring Break
10	11.8	Power Series
	11.9	Representations Using Power Series
11		Review
		Midterm Exam 2
12	11.10	Taylor and Maclaurin Series
	11.11	Applications of Taylor Polynomials
13	9.1, 9.3	Modeling with Differential Equations and Separable Equations
	9.5	Linear Equations
14	10.1	Parametric Equations
	10.2	Calculus With Parametric Curves
15	10.3	Polar Coordinates
	10.4	Areas And Lengths In Polar Coordinates, Review
16		Final Exam (Day and Time TBD)