MATH 1132Q Section 802

Spring 2026

Course Title:	Calculus II
Section:	803
Credits	4
Meeting Time:	T,TH 3:30-5:10
Meeting Place:	139

Instructor:	Dr. Kevin Kellinsky-Gonzalez (Prof K / Dr. K)
Office:	3.31B
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Office Hours:	Wednesday 2:30-4:30

or by appointment

Course Description from Course Catalog: Topics chosen from discrete mathematics. May include counting and probability, sequences, graph theory, deductive reasoning, the axiomatic method and finite geometries, number systems, voting methods, apportionment methods, mathematics of finance, number theory.

Prerequisites: Recommended preparation: MATH 1011Q or equivalent. Not open for credit to students who have passed any math course other than MATH 1010Q, 1011Q, 1020Q, 1030Q, 1040Q, 1050Q, 1060Q, or 1070Q.

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

1. Apply fundamental algebra skills to calculus problems.
2. Use integration techniques to compute definite and indefinite integrals.
3. Understand what it means for an infinite series to converge.
4. Use convergence techniques to determine if an infinite series converges.
5. Understand the concepts of power series and Taylor series.
6. Be able to compute Taylor series and Taylor polynomials for a given function.
7. Use Taylor Polynomials to approximate functions.
8. Be able to convert points in Cartesian coordinates to Polar Coordinates and vice versa.
9. Understand the basics of vectors, including the dot product and cross product.
10. Be able to find parametric equations for common curves such as circles and lines.

Course Materials: Required course materials should be obtained before the first day of class. Required textbooks are available for purchase through the UConn Bookstore (or use the Purchase Textbooks tool in HuskyCT).
Required Materials:

- *Single Variable Calculus: Early Transcendentals, 8th Edition*, by James Stewart with WebAssign Access Code.
- *Calculus: Early Transcendentals, 8th Edition*, by James Stewart with WebAssign Access Code (includes MATH 2110, Multivariable Calculus).
- *Calculus: Early Transcendentals + Diff Eq, 8th Edition*, by James Stewart with WebAssign Access Code (includes MATH 2110 and MATH 2410, Multivariable Calculus and Differential Equations).

Cengage/WebAssign Access and the Husky Book Bundle: If you are new to Calculus at UConn and do not have access from the previous term, but are enrolled in the Husky Book Bundle, you should receive this access at no additional charge. For more information, visit the Husky Book Bundle website.

Homework make-up / extension policy Students may have a total of 3 homework extensions. Extension requests must be submitted to me via **email. Do not submit questions or extension requests via the WebAssign messaging system. I will not read or reply to them.**

Calculator and Resources Policy You may use a calculator on the exam, as long as it cannot perform symbolic manipulation (e.g., compute integrals, derivatives, etc.). There will be no formula sheets on exams.

Course Requirements and Grading We will have regular 3 exams and a final exam. We will have quizzes most weeks at the end of class on Thursday. **Whenever there is a quiz, it will always be on the previous week's material. I will drop the lowest regular exam and the lowest quiz. There will be no make-up exams or quizzes.**

Summary of Course Grading:

Course Components	Weight
Regular Exams	50%
Cumulative Final Exam	30%
WebAssign HW	15%
Weekly Quizzes	5%

Grading Scale:

Range	Grade
92.5–100	A
89.5–92.4	A-
86.5–89.4	B+
82.5–86.4	B
79.5–82.4	B-
76.5–79.4	C+
72.5–76.4	C
69.5–72.4	C-
66.5–69.4	D+
62.5–66.4	D
59.5–62.4	D-
0–59.4	F

Note: At the end of the semester, grades will not be increased unless there is an error in the gradebook. Please do not ask me to increase your grade. The answer is no.

Academic Integrity / Cheating Policy Academic integrity is essential. Any form of dishonesty can result in a zero grade on an assessment and/or failure in the course. **In particular, if I see you using a phone during a quiz or exam, you will receive a zero. I will not give you a warning; I will simply give you a zero. Any zero that is the result of cheating will NOT be dropped.**

Accommodations for Students with Disabilities Students requiring accommodations should contact the Center for Students with Disabilities:

- Wilbur Cross Building Room 204
- Phone: (860) 486-2020
- Website: `http://csd.uconn.edu/`

Tips on how to learn mathematics

- Have a solid foundation. Are you able to:
  - Factor polynomials
  - Manipulate complex fractions
  - Apply exponent and logarithm rules
  - Use basic facts from trigonometry
  - Use all the derivative rules from Calculus I (e.g. product rule, chain rule, etc...)
  - Sketch the graph of basic functions (e.g. e^x, $\ln(x)$, $\arctan(x)$, $\sqrt{x}$, x^3, etc...)

  If the answer to any of these is "no", please attend office hours and/or visit the tutoring center. I am more than happy to help you get caught up.
- Do not fall behind! Math builds on itself, which means it is essential to stay on top of the material. Furthermore, it is almost impossible to "cram" for a math test.
- Practice Practice Practice! Simply reading your notes is not an effective way to learn mathematics for the vast majority of people. It is essential that you redo the homework problems and the examples from class. You should do this until you can comfortably solve all of the problems from start to finish without any help.
- Don't be afraid to ask for help. I encourage everyone to form study groups with other members of the class. Check out the tutoring center - some of my former calculus students work there! There are many great resources online such as Youtube videos. On the other hand, you should make a sincere effort to solve the homework problems on your own before seeking help. It is okay to get stuck. It is not okay to not try in the first place.

Changes to the Syllabus

The instructor reserves the right to make reasonable changes to the syllabus provided advanced notice is provided to the students.