MATH1132Q –Calculus II

Section 90 (6958) meets Tuesday/Thursday from 3:30pm – 4:45pm in SCI1 G01

Discussion Sections

Section 91D (6837) meets Wednesday 3:35pm – 4:35pm in SHH 106 with Tongan Liu

Section 92D (6838) meets Wednesday 2:30pm – 3:20pm in SHH 106 with Tongan Liu

Section 93D (6839) meets Wednesday 1:25pm – 2:15pm in SHH 106 with Tongan Liu

Section 94D (6840) meets Wednesday 10:10am – 11:00am in MONT 320 with Abigail Baidoo

Section 95D (6841) meets Wednesday 11:15am – 12:05pm in MONT 420 with Abigail Baidoo

Section 96D (6842) meets Wednesday 9:05am – 9:55am in MONT 320 with Abigail Baidoo

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Instructor: Ben Lantz

Email: Benjamin.Lantz@uconn.edu

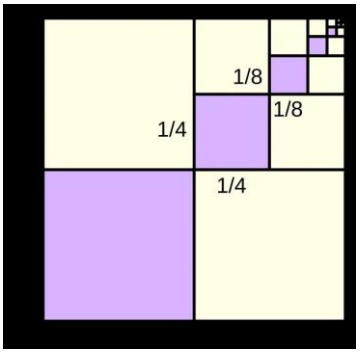
Office: Monteith 405

Office Hours

Tuesday/Thursday 9:30 am – 10:30 am

Tuesday/Thursday 2:00 pm – 3:00 pm

Or by Appointment (contact me via email)



Discussion Section TA Contact Information

Tongan Liu – Tongan.Liu@uconn.edu - Office: Herbst Hall (OAK 307)

Abigail Baidoo – Abigail.Baidoo_iv@uconn.edu - Office: MONT 213

Description

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

Prerequisites

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.

Textbook Information

You must have access to one of the following:

1. *Single Variable Calculus: Early Transcendentals*, 8th Edition, by James Stewart with WebAssign Access Code.
2. *Calculus: Early Transcendentals*, 8th Edition, by James Stewart with WebAssign Access Code (includes MATH 2110, Multivariable Calculus)
3. *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)
4.

Cengage/WebAssign access and the Husky Book Bundle

This is a continuation course so you should still have access to all required course materials when you log into the Cengage website through the link your instructor has provided for their course. 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. To receive your access, please go to the UConn Bookstore with your student ID and follow signs for the Husky Book Bundle. Let the staff know you need a manager to get you an access card for your Calculus course. For more information about the Husky Book Bundle click here.

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.

Calculators & Resources

No calculators, websites, books/notes are allowed on quizzes or exams. Use of prohibited materials will result in a zero on the assessment. Some homework will require calculators.

Grading:

Assignment Type	Due Date	Percentage
Lecture Activities	Tuesday & Thursday (in lecture)	5%
Discussion Quizzes	Wednesday (in discussion)	10%
WebAssign HW	Due Tuesday at 11:59PM (online)	15%
Exam 1:	Wednesday 2/12 (in discussion)	15%
Exam 2:	Wednesday 3/12 (in discussion)	15%
Exam 3:	Wednesday 4/16 (in discussion)	15%
Final Exam:	Date/Time TBA	25%

Exam Replacement Policy

Your score on the final exam will replace your one lowest exam score if you score higher on the final exam. Note that your final exam grade is always counted when computing your course grade and cannot be replaced.

Participation

You must be an active participant in the course every week. In particular, you must be present and active in your discussion section, which will present more opportunities to ask questions and work with classmates.

WebAssign HW

Description: There will be online homework assignments for each section of the text. *You will get 10 attempts for each question that is not multiple choice and one less attempt than the number of choices for each multiple choice question.* 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 three or four attempts, we recommend that you seek help from your instructor, TA, problem sessions, the Q-Center, or a classmate.

Homework Access: To access the homework you will have to go through Husky CT. On your course HuskyCT page you will find a link to access WebAssign. There is no class key to enter.

Due Dates/ Extensions: Homework is due on Tuesday evening at 11:59 PM covering material from the previous week during lecture. If you miss the due date on WebAssign homework then you are allowed to request a 24-hour extension. You can only request an extension once the due date has passed, and must request within 48 hours (Thursday at 11:59pm) of the original due date but you can request up to two extensions per assignment, and the latest final due date you can obtain is 72 hours (Friday at 11:59pm) after the original due date. These extensions will be applied automatically. See the instructions for requesting an automatic extension.

Technology 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. Here.pdf is a document with tips on using WebAssign.

Exams

Exam Description: There will be three unit exams and a Final Exam in this course. The Final Exam for the course will be cumulative. The dates and times for all exams are shown below.

- **Exam 1:** Week 4 (Wednesday 2/12)
- **Exam 2:** Week 8 (Wednesday 3/12)
- **Exam 3:** Week 12 (Wednesday 4/16)
- **Final Exam:** TBA

Exam Format: Unit exams are administered in-person during your discussion section. Exams are mixed format with multiple choice, true/false, and free-response questions. Partial credit is awarded on free-response questions.

Note: No external resources are permitted during exams. Select formulas will be provided. You are prohibited from using additional resources such as a calculator, notes, textbook, etc.

Lecture Activities

On Tuesday and Thursday during lecture there will be a graded lecture activity related to the content being covered. Be sure to bring a phone, tablet, or laptop to lecture to complete the activity. You must be in attendance during lecture to receive credit.

Discussion Quizzes

On Wednesday during your in-person discussion, there will be a quiz focusing on the material covered the previous week in lecture. Quizzes are mixed format with multiple choice, true/false, and free-response questions. You will be allowed 15 minutes at the end of the discussion section to complete the quiz. If you are unable to take the quiz at this time, please reach out to your TA promptly.

Content Delivery & Resources

Lecture: Lectures for MATH 1132Q are held on Tuesdays and Thursdays at the set time that appears on your schedule. Blank lecture notes and filled lecture notes are available on HuskyCT for each lecture.

Discussion Sections: As part of MATH 1132Q, you have been placed in a discussion section with a graduate student TA. Discussion sections will meet once per week on Wednesdays in-person at a set time that will appear on your schedule. Below are details about what to expect:

Your TA will discuss material from the previous week's material and answer any questions, and then finish with a 15 minute quiz over the previous week's material.

ADDITIONAL RESOURCES

There are multiple additional resources to provide opportunities to ask questions, discuss the course, and work with others.

- **Q Center:** There are tutors available at the Q Center Sunday through Friday. Find hours and tutor info at https://qcenter.uconn.edu/.
- **Office Hours:** Your instructor and TA will offer weekly office hours (posted above)
- **Additional Lecture Videos:** Professor Dave McArdle has created wonderful lecture videos and notes for Calculus II which are available for you to use. A link is in HuskyCT, please use the password 'DAVE' to access.

Additional Information:

Make-up Policy: If you have to miss a graded assignment (exam, activity, or quiz) at its designated time, you must notify the TA (and the lecturer in the case of exams) *in advance*. Arrangements for a make-up will be considered on a case-by-case basis and will be administered for approved reasons only at the discretion of the instructor.

Academic Integrity: It is in your best interest to maintain your academic integrity. Any form of academic dishonesty undermines the goals of our course and devalues the learning process.

Academic dishonesty is a serious offense at UConn and can result in a zero grade on an assessment and/or failure in the course.

Accommodations for Students with Disabilities: The University of Connecticut is committed to protecting the rights of individuals with disabilities and assuring that the learning environment is accessible. If you anticipate or experience physical or academic barriers based on disability or pregnancy, please let me know immediately so that we can discuss options. Students who require accommodations should contact the Center for Students with Disabilities, Wilbur Cross Building Room 204, (860) 486-2020 or http://csd.uconn.edu/.

Change to Syllabus: The information contained in the course syllabus, may be subject to change with reasonable advance notice, as deemed appropriate by the instructor.

Online Learning: UConn has several resources available to help you navigate online learning. You can check out the following links: https://achieve.uconn.edu/online-course/ https://onlinestudent.uconn.edu/keeplearning/

Week	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	20-Jan MLK Day No Classes	21-Jan First Day of Classes 7.1 Integration by Parts	22-Jan	23-Jan 7.2 Trig Integrals	24-Jan
2	27-Jan	28-Jan 7.3 Trig Substitution **WA 7.1, 7.2 due at 11:59 pm**	29-Jan **Quiz 1 (7.1, 7.2) during Discussion**	30-Jan 7.4 Partial Fractions	31-Jan
3	3-Feb Last Day to Drop w/o "W"	4-Feb 7.7 Numerical Integration **WA 7.3, 7.4 due at 11:59 pm**	5-Feb **Quiz 2 (7.3, 7.4) during Discussion**	6-Feb 7.8 Improper Integrals	7-Feb
4	10-Feb	11-Feb Exam 1 Review **WA 7.7, 7.8 due at 11:59 pm**	12-Feb **Exam 1 (7.1-7.8) during Discussion**	13-Feb 6.4 Work (not covered on exam)	14-Feb
5	17-Feb	18-Feb 11.1 Sequences **WA 6.4 due at 11:59 pm**	19-Feb **Quiz 3 (6.4) during Discussion**	20-Feb 11.2 Series	21-Feb
6	24-Feb	25-Feb 11.3 Integral Test **WA 11.1, 11.2 due at 11:59 pm**	26-Feb **Quiz 4 (11.1, 11.2) during Discussion**	27-Feb 11.4 Comparison Tests	28-Feb
7	3-Mar	4-Mar 11.5 Alternating Series **WA 11.3, 11.4 due at 11:59 pm**	5-Mar **Quiz 5 (11.3, 11.4) during Discussion**	6-Mar 11.6 Absolute Convergence and Ratio Test	7-Mar
8	10-Mar	11-Mar Exam 2 Review **WA 11.5, 11.6 due at 11:59 pm**	12-Mar **Exam 2 (11.1-11.6) during Discussion**	13-Mar 11.8 Power Series	14-Mar Midterm Grades Due
9	17-Mar Spring Break	18-Mar Spring Break	19-Mar Spring Break	20-Mar Spring Break	21-Mar Spring Break
10	24-Mar Registration for Fall Begins	25-Mar 11.9 Representing Functions as Power Series **WA 11.8 due at 11:59 pm**	26-Mar **Quiz 6 (11.8) during Discussion**	27-Mar 11.10 Taylor and Maclaurin Series	28-Mar
11	31-Mar	1-Apr 11.11 Applications of Taylor Polynomials **WA 11.9, 11.10 due at 11:59 pm**	2-Apr **Quiz 7 (11.9, 11.10) during Discussion**	3-Apr Sequence and Series Review	4-Apr
12	7-Apr	8-Apr 9.1 Modeling with DEQ **WA 11.11 due at 11:59 pm**	9-Apr **Quiz 8 (11.11) during Discussion**	10-Apr 9.3 Separable Equations	11-Apr
13	14-Apr Last Day to Drop w/ "W"	15-Apr Exam 3 Review **WA 9.1, 9.3 due at 11:59 pm**	16-Apr **Exam 3 (11.8-11.11, 9.1, 9.3) during Discussion**	17-Apr 8.1 Arc Length (not covered on exam)	18-Apr
14	21-Apr	22-Apr 10.1 Curves Defined by Parametric Equations **WA 8.1 due at 11:59 pm**	23-Apr **Quiz 9 (8.1) during Discussion**	24-Apr 10.2 Calculus with Parametric Equations	25-Apr
15	28-Apr	29-Apr 10.3 Polar Coordinates **WA 10.1, 10.2 due at 11:59 pm**	30-Apr **Quiz 10 (10.1, 10.2) during Discussion**	1-May 10.4 Calculus with Polar Coordinates	2-May Last Day of Classes
16	5-May Final Exam Week	6-May Final Exam Week **WA 10.3, 10.4 due Sunday 5/4 at 11:59 pm**	7-May Final Exam Week	8-May Final Exam Week	9-May Final Exam Week