UCONN

Math Courses

Math 1132Q – Calculus II (Fall 2019)

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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: EITHER *Calculus: Early Transcendentals* (this includes Multivariable Calculus), 8th Edition, by James Stewart with WebAssign Access Code OR *Single Variable Calculus: Early Transcendentals*, 8th Edition, by James Stewart with WebAssign Access Code.

Calculators: No calculators are allowed on course exams and quizzes.

Watches: You will not be allowed to wear watches (smart or dumb) during in class assessments (exams and quizzes).

IMPORTANT!
We recommend that you get the text and WebAssign access code bundled together at the UConn Co-op. You should be able to get either the single variable version for 90 dollars, or the full version (which includes multivariable) for 100 dollars. The option to buy the text and WebAssign access code bundled together lets you use that access code for the life of the edition of the textbook. So if you have already bought a WebAssign access code for this book for a previous semester, you can use it again. If you are planning on taking Math 2110 but NOT Math 2410, we suggest that you buy the full version of the text. If you are planning on taking both Math 2110 and Math 2410, then we suggest that you buy the Calculus + Differential Equations version of the text.

Homework and WebAssign:

Homework: To access the homework you will have to go through Husky CT single sign-on. In your account you will find a link to do your homework using WebAssign. There will be homework assignments for each section of the text. Each assignment will be made available on WebAssign several days before the section is covered in class. The due date for each assignment will be set by your instructor and will generally be two or three days after the material is covered in class.**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 initial attempts, we recommend that you seek help from your instructor, the Q-Center, a tutor, or another student. If you miss the due date on homework you can get an extension for up to two days after the due date, but you will only be able to receive 50% credit for the homework. **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.

WebAssign Registration: The homework for Math 1132 is assigned online using the WebAssign online homework system. To access your homework online you must go to Husky CT.

Exams, Quizzes, and Worksheets:

Exams: There will be two midterm exams and a Final Exam in this course. The midterm exams will be administered in your discussion sections (except for the online section, which will have a separate exam time/location). The Final Exam for the course will be cumulative. Look here for more detailed exam information in the future. The dates and times for all exams are the following.

Exam 1	Wednesday, October 2nd	(in discussion)
Exam 2	Wednesday, November 13th	(in discussion)
Final Exam	TBA	TBA

NOTE: You will NOT be allowed to wear watches (smart or dumb) during your exams.

Quizzes: There will be weekly quizzes in discussion section that will cover material from the week before. Content for each quiz will be announced ahead of time by your TA. Note that you will NOT be allowed to wear watches (smart or dumb) during your quizzes.

Worksheets: There are weekly worksheets that we recommend that you complete as you engage with the lecture material. Worksheets are not required to be turned in and answers will be posted online. All worksheets can be found in the Learning Activities section of this website.

Grading:

Quizzes	Weekly	Discussion	20%
Homework	WebAssign	Online and Lecture	10%
Exam 1:	Week 6	Wednesday discussion	20%
Exam 2:	Week 12	Wednesday discussion	20%
Final Exam:	TBA		30%

Exam Replacement Policy: Your score on the final exam will replace your lowest exam score if you score higher on the final exam.

NOTE: The online section and honors sections will have slightly different grading schemes which are detailed in the respective syllabi.

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Week	Date	Section	Topic
1	8/26		Integration by Substitution/ Intro
		7.2	Trigonometric Integrals
2	9/2	7.1	Integration by Parts
		7.3	Trigonometric Substitution
3	9/9	7.3 & 7.4	
		7.4	Integration by Partial Fractions
4	9/16	7.7	Approximate Integration
		7.8	Improper Integrals
5	9/23	6.4	Work
		8.1	Arc Length
6	9/30	11.1	Sequences
			Exam 1 (Wednesday 10/2)
		11.2	Series
7	10/7	11.3	The Integral Test and Estimates of Sums
		11.4	The Comparison Tests
8	10/14	11.5	Alternating Series
		11.6	Absolute Convergence and Ratio Test
9	10/21	11.8	Power Series
		11.9	Representations of Functions as Power Series
10	10/28	11.9 & 11.10	
		11.10	Taylor and Maclaurin Series
11	11/4	11.11	Applications of Taylor Polynomials
		9.1	Modeling with Differential Equations
12	11/11	9.3	Separable Equations
			Exam 2 (Wednesday 11/13)

		10.1	Curves Defined by Parametric Equations
13	11/18	10.2	Calculus with Parametric Curves
		10.3	Polar Coordinates
14	11/25	OFF	THANKSGIVING BREAK
		OFF	
15	12/2	10.3 & 10.4	
		10.4	Areas and Lengths in Polar Coordinates
16		TBA	FINAL EXAM