MATH 1132Q: Calculus II
Spring 2015

Textbook:
There are three ways to purchase the text and the WebAssign access code:
Get the text and WebAssign access code bundled together from the publisher's special website for either single variable (1131 and/or 1132) or multivariable (1131, 1132, and 2110) texts.
Get the text and WebAssign access code bundled together at the UConn Co-op.
Get the text separately from anywhere, and buy the WebAssign access code when you access your homework through HuskyCT.
We do not recommend using the third option above, because if you buy the WebAssign access code separately then you will have to buy it for 95 dollars for one semester of calculus or 110 dollars for two or three semesters of calculus; by comparison, the cost of the book and WebAssign access code bundled together (from the publisher's website or from the UConn Co-op) is less than 95 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.

Graphing calculators:
TI 82, 83, 84, 84 plus, 85 or 86 are sufficient but more powerful models are also OK. All calculators are permitted during the common midterm exams (but not during the discussion class quizzes).

i>clicker Registration:
Clickers will be used in all lectures except section 70. You must register your i>clicker in your HuskyCT page for the lecture you attend (10, 30 or 50), even if you registered an i>clicker in Math 1131 last semester.
Important Onlne Clicker Registration Information:
Go to HuskyCT page for your lecture (10, 30 or 50).
Click on "i>clicker Registration" in the left column.
Enter the Remote ID for your i>clicker where it is requested in Step 1.
Double check that the Remote ID you entered is correct.
Clicker the Submit button in Step 2.
Warning: The web version of i>clicker (Apps for iPhone, Android, etc.) will not work in the classrooms.

Homework and WebAssign:
Homework: To access the homework you will have to go through Huksy 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.
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.

Quizzes:
There will be a quiz on each homework assignment. These quizzes will be timed assignments on WebAssign and will generally be due one day after the homework assignment. There may be additional quizzes in the discussion sections.

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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.

Grading:

		Sections 10,30,50	Section 70
Online Homework	WebAssign	5%	10%
Online Quizzes	WebAssign	5%	5%
Written Quizzes and Worksheets	Discussion Class	10%	10%
Clicker Responses	Lecture Class	5%	none
Exam 1	Thursday February 26, 6 PM or 9PM	20%	20%
Exam 2	Thursday April 9, 6 PM or 9 PM	20%	20%
Final Exam	Friday May 8, 1-3 PM	35%	35%

How to study for this course:

- Attend lecture and discussion class.
- Read the explanations and examples in the textbook.
- Watch videos (mathresources.uconn.edu/math1132). Each video last 8-15 minutes and covers some of the difficult and/or critical concepts.
- Do online homeworks and quizzes.
- Revisit Concept Questions (mathresources.uconn.edu/math1132).
- Review using Flash Cards (mathresources.uconn.edu/math1132).

Outline:

Week	Date	Section	Topic	Learning Activities
1	1/16	6.1	Area between curves	Video, flash cards, worksheet 1 (on substitution), Youtube tutorial
		6.2	Volumes	Video, flash cards, Youtube tutorials 1 & 2
2	1/27		Snow Day	
		6.4	Work	Video, flash cards, worksheet 2 (area, volume, work), Youtube tutorials 1 & 2
3	2/2	7.1	Integration by Parts	Video, flash cards, Youtube tutorials 1 & 2
		7.4	Partial Fractions	Video, flash cards, Youtube tutorials 1 , 2, 3 & 4
4	2/9	7.7	Approximate Integration	Video, flash cards, Youtube tutorial
		7.8	Improper Integrals	Video, flash cards, worksheet 3 (methods of integration)
5	2/16	8.1	Arc Length, Trigonmetric Integrals	Worksheet on Trig Integrals
		8.3	Applications to Physics and	Worksheet 4 (applications of

			Engineering	integration), Video, flash cards
6	2/23	Review	Sample Midterm 1	
	2/26		Midterm Exam 1	
7	3/2	11.1	Sequences	
		11.2, 11.3	Series, Integral Test	
8	3/9	11.4, 11.5	Comparison Test, Alternating Series	Worksheet 5 (Series I)
		11.6	Absolute Convergence and the Ratio Test	
9	3/16		Spring Break	
10	3/23	11.8	Power Series	
		11.9	Representation of Functions as Power Series	Worksheet 6 (Series II)
11	3/30	11.10	Taylor and Maclaurin Series	
		11.11	Applications of Taylor Polynomials	
12	4/6	Review	Sample Exam 2	
	4/9		Midterm Exam 2	
13	4/13	10.1, 10.2	Curves Defined by Parametric Equations, Calculus with Parametric Curves	Video, flash cards, Worksheet 7
		10.3	Polar Coordinates	
14	4/20	10.4	Area in Polar Coordinates	
		9.1, 9.2	Modeling with Differential Equations, Direction Fields	
15	4/27	9.3	Separable Equations	
16	05/08		Final Exam 1-3 PM	