Math 2141Q Section 1 Fall 2019
Katie Hall

Office: MONT 408
Email: katie.hall@uconn.edu
Web Page: HuskyCT site
Office Hours: Tuesday: 12:30-2, Thursday: 2-3:30, Friday: after class

Grading: Your grading will be as follows:

Category	Total Percentage
Homework	20%
Quiz	10%
Take Home Exam	20%
In Class Exams	30%
Final Exam	20%

Textbook: The textbook for this course is *Calculus, Volume I*, second edition, by Thomas M. Apostol. Because this course moves very quickly and approaches mathematics from a more sophisticated perspective than you are probably used to, it is extremely important that you read the textbook as we go along. Many of the ideas in this course require time and effort to grapple with before they really sink in. Just listening passively to the lectures will not be enough to master this material.

Homework: There will be regular homework assignments for this course. They are due most Thursdays with a "First Look" due on Monday. The first look assignment requires you to submit work on at least half of the problems. You should either reach a solution or say what you tried and where you got stuck. Many of the problems assigned will involve proving why something is true. It is important that you express your mathematical thoughts in clear a complete sentences. Of course, you will make mathematical calculations and use mathematical notation, but often the sentences explaining the reasoning connecting the steps in your proof are the most important. You should write your explanations as though they were for another student in the class. You should also work through your mathematical thoughts on scratch paper first and rewrite the results in a clean and concise way when you hand it in. You will be graded both on the correctness of your solution and on your mathematical writing. Homework will be turned in on Gradescope, an online homework system. You can take pictures of your homework and submit it. Instructions will be provided.

Quizzes: Each week HW is due, there will be on a quiz on the material that is covered in the HW due that week. Quizzes are on Fridays. The quizzes will have one or two questions. If you lose credit on quiz questions, you will have to opportunity to submit corrections to quizzes to earn those points back. Quiz corrections are due one week after the quiz is returned.

Midterm Exams: There are both take home and in class exams for this class. The first take home exam covers the introductory chapter and chapter 1. You will receive it on The first in class midterm exam covers chapters I, 1 and 2. It is on **Tuesday, October 8**. The second take home exam is on chapter 3 and 4. You will receive it on Nov 1. It is due Nov 8. The second in class exams cover chapters 3, 4 and 5. It is on **Tuesday November 19**.

When we get close to the time of each exam, I will try to be very clear about what material is covered and what types of problems you can expect to see on the exam.

Calculators: You are welcome to use a calculator for this course, including on the exams. However, I think it is unlikely that a calculator will be of much help in this course.

Office Hours and Additional Help: This course moves quickly and it is important that you don't get behind. I strongly recommend visiting me in office hours if you find yourself having difficulties with the material. It is much easier for us to discuss a section of the textbook to keep you caught up that to try to discuss an entire chapter. There is also a discussion board for this class. You are welcome to use it to ask questions of me and your classmates. It is on Piazza and accessible through HuskyCT.

Course Calendar: There is a Google Calendar for this class which contains all dates for exams, quizzes and assignments as well as a tentative schedule for lectures. There is a link to it from HuskyCT. I recommend you check it often.

Academic Integrity: Instances of academic dishonesty are taken very seriously at UConn. Please read www.community.uconn.edu/student_code_appendixa.html. If you ever have a question about whether certain behavior constitutes academic dishonesty, you should ask! In the spirit of academic integrity, I would like to note that this syllabus was adapted from one by Professor Reed Solomon.

2141 Fall 2019 **Aug 2019 (Eastern Time - New York)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	30	31
Week 1		Activity		I.2 Set Theory	I.3 Number Systems	

2141 Fall 2019 **Sep 2019 (Eastern Time - New York)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Week 2	2	3 I.3 Number Systems	4	5 1.4 Induction	6 I.4 Sums, Absolute	7
8 Week 3	9	10 1.1-6 Functions and	11	12 1.6-13 Integration of	13 1.12-1.13 Properties	14
15 Week 4	16	17 1.16-19 Integration 1.20-23 Integration	18	19 1.24-27 Properties	20 Take Home Exam -	21
22 Week 5	23	24 2.1-2.4 Area	25	26 2.5-2.8 Trig	27 2.9-11 Polar Take Home Exam	28
29 Week 6	30	1 2.12-17 Applications	2	3 2.18-19 Indefinite	4 Catchup/Review	5

2141 Fall 2019 **Oct 2019 (Eastern Time - New York)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29 Week 6	30	1 2.12-17 Applications	2	3 2.18-19 Indefinite	4 Catchup/Review	5
6 Week 7	7	8 In Class Exam 1: I, 1,	9	10 3.1-2 Definition of	11 3.3-6 Def of	12
13 Week 8	14	15 3.7-11	16	17 3.12-17 Inversion,	18 3.18-20 Cont 4.1-4 Definition of	19
20 Week 9	21	22 4.10 Chain Rule 4.5-9 Algebra of	23	24 4.11-12 Implicit Diff	25 4.13-15 Extreme	26
27 Week 10	28	29 4.16-19 Geometric	30	31 Catchup	1 Take Home Exam	2

2141 Fall 2019 **Nov 2019 (Eastern Time - New York)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
27 Week 10	28	29 4.16-19 Geometric	30	31 Catchup	1 Take Home Exam	2
3 Week 11	4	5 5.1-6 FTC	6	7 5.7-8 Integration by	8 5.9-10 Intergration Take Home Exam	9
10 Week 12	11	12 6.1-7 Log Functions	13	14 6.8-11 Log	15 Review	16
17 Week 13	18	19 Exam 2: Chapters	20	21 6.12-18 Exponential	22 6.20-22 Inverse Trig	23
24	25 Thanksgiving Break	26	27	28	29	30

2141 Fall 2019 **Dec 2019 (Eastern Time - New York)**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1 Week 14	2	3 6.23 Partial	4	5 6.24-25	6 Last Day of Classes	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21