University of Connecticut
Department of Mathematics

Math 1132Q — Calculus II —Spring 2011

Exam 2

Thursday April 7 6-8 PM
Rooms

TA	Discussion Section	Exam Room
Section 10		
	All	PB 36
Sections 30 and 80		
Matt Lamoureux	78, 72, 75	CLAS 110
Ilke Canakci	81, 77, 36	TLS 154
Lu Lu	34, 37, 80	TLS 154
Frank Arthur	70, 71, 79	TLS 154
Shane Gibson	30, 31, 32	SCHN 55
Jonathan Judge	33, 35, 38	SCHN 55
Gabriel Feinberg	73,74, 76	SCHN 55
Section 50		
Ryan Pellico	50, 51, 55	CLAS 105
Seongyoon / Tingting	52, 53, 59	CHM A 120
Stephen Zito	54, 60, 61	CHM A 120
David Miller	56, 57, 58	CHM A 120

Practice Exam for Finals

Practice Exam Solutions for Finals

Text:

Calculus I, Early Transcendentals, Single Variable by William Briggs and Lyle Cochran (1st Edition), with *MyMathLab Plus* code.
i>clicker units for personal response systems (clickers). $10 Rebate coupon in the bundle for the Iclicker.
Graphing calculators (TI 82, 83, 85 or 86 recommended).

You can buy Early Transcendentals, Single Variable by Briggs and Cochran at the UConn Coop, online directly from the publilsher, and many other places. CAUTION: Make sure you get MyMathLab Plus codes bundled with the text as they cost about – each semester when purchased separately. Single Variable volume is used for both Math 1131 and Math 1132. You will need to purchase the multivariable volume for Math 2110. We chose the single volumes as the recommended text since were able to have MyMathlab Plus codes (for life of edition) bundled with both semesters text. However, you are able to purchase combined versions (heavy book for 1131-1132-210)

The publisher has set up a special web page, http://vig.pearsoned.com/store/home?url=/uconn/calculus, for UConn students to purchase a text online with the MyMathlab plus codes bundled.

i>clicker Registration:

These are i>clickers which are used only in Math 1131Q and 1132Q

Clickers will be used in the lectures beginning week 1. You must register your i>clicker by visiting www.iclicker.com and follow the instructions below.

- Click Register Your i>clicker button.
- Enter your First Name and Last Name in the appropriate field.
- Enter your people soft ID. This is the student ID field in the form.
- Enter your i>clicker remote ID. The remote ID is the 8-character alphanumeric code printed below the barcode on the back of your remote.
- Enter the letters or numbers in the captcha security image on the screen. This verification image is a slightly distored series of characters used to prevent spam bots from submitting the form.
- Click the 'Enter' button. An on-screen message confirms that registration was successful.
- **These clickers are different from Einstruction CPS clickers used by other courses in the University**

Homework and MyMathLab Plus:

The homework for Math 1132 is assigned online using the Mylabsplus online home work system. To access your homework online you must go to uconn.mylabsplus.com. Key points to remember:

- If you purchased the text book from Uconn bookstore, you will see an access code for Mylabsplus. You will need this access code when you login.
- To login in to the acccount visit uconn.mylabsplus.com.

- Username is the first part of your uconn email id: example1: john.smith@uconn.edu, the username is john.smith, example2: jane.m.mary@uconn.edu user name will be jane.m.mary. Password is "letmein".
- Change your password by choosing the "myprofile" tab when you login.
- When you click on "MML Homework", you will be asked to enter your access code. If for any reason you do not have an access code you can request an **temporary access code** by clicking on "Temporary Access". The code will be given to instantaneously. This code is vaild for 17 days after which you will need to have brought an access code to continue using the online system.

Mymathlab Plus Registration:

Homework: There will be homework assignments for each section of the text. Each assignment will be made available on MyMathLab Plus 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 three days after the material is covered in class. **You will get 5 attempts to answer each none multiple choice question and two attempts 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 initial attempts, we recommend that you seek help from your instructor, the Q-Center, a tutor, or another student.

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

Grading:

Homework	MyMathLab Plus	10%
Quizzes	MyMathLab Plus and discussion class	10%
Clicker response	Lecture class	5%
Exam 1: (Thursday February 24 6-8 PM)	Common evening exam	20%
Exam 2: (Thursday April 7 6-8 PM)	Common evening exam	20%
Final Exam: (Friday May 6 1:00 PM)	Common (2 hours)	35%
Gateway Exam (Pass/Fail)	Integration	0% (see Note)

Note: Failure to pass the Gateway Exam will lower the course grade by one full letter grade.

- The **evening exams** will be held in the rooms listed below from 6-8 pm. The dates and times are listed in PeopleSoft, but not the rooms. Common make-up exams will be held from 8-10 pm on the same days as the exams. Permission from your instructor is required.
    - The **gateway exam** will be available in the Mathematics MacLab (MSB 203) on Mymathlabs plus beginning around March 14. There will be an open period from

March 14 through April 8 during which the gateway exam may be repeated (as often as needed) in the MacLab (MSB 203). Practice versions of the gateway exam may be taken online from MyMathLab Plus. These practice versions are from the same test bank as the actual exams and will be graded online.

Gateway Exam

- Calculators are NOT allowed.
- Pass/fail exam.
- Exam on MyMathlab Plus in MacLab (MSB 203) March 14 through April 8.

Math 1132 Outline - Spring 2011 (revised 2/2/11)

(*Calculus, Early Transcendentals*, by Briggs and Cochran 1st Edition)

Week	Date	Section	Topic
1	1/17		No Class
		5.5, 6.2	Review: Substitution and Area Between Curves
		6.3	Volumes by Slicing
2	1/24	6.7, 6.8	Omit due to snow cancelations
3	1/31	6.5	Length of Curves
		6.6	Physical Applications
4	2/7	7.1	Integration by Parts
		7.2	Trigonometric Integrals (brief)
5	2/14	7.3	Trigonometric Substitution
		7.4	Partial Fractions
6	2/21	7.7	Improper Integrals
			Review for Exam I
	2/24		Exam I, 6-8 PM
7	2/28	7.6	Numerical Integration
		8.1	An Overview
	3/7		Spring Recess
8	3/14	8.2	Sequences
		8.3	Infinite Series
9	3/21	8.4	The Divergence and Integral Tests
		8.5	The Ratio and Comparison Tests
		8.6	Alternating Series
10	3/28	9.1	Approximating Functions with Polynomials
11	4/4	9.2	Power Series
			Review for Exam 2
	4/7		Exam 2, 6-8 PM
12	4/11	9.3	Taylor Series
		7.8	Introduction to Differential Equations
13	4/18	10.1	Parametric Equations
		10.2	Polar Coordinates
14	4/25	10.3	Calculus in Polar Coordinates
			Review

Math 1132Q **Calculus 2** **Spring 2011**

Professor/ Lecturer: Dr. Amit Savkar
Lectures: Tu/Th 12:30 – 1:45 in PB36

Discussion Section Instructor: Gabriel Feinberg
e-mail: Feinberg@math.uconn.edu
Office: MSB 329
Office hours: Monday 12:00 – 2:00
Thursday 3:30 – 5:00
Or by Appointment

Text: *Calculus 1, Early Transcendentals, Single Variable* by William Briggs and Lyle Cochran (1th Edition), with *MyMathLab Plus* code..

Objectives: Math 1132 is the mainstream second semester calculus course, covering integration, applications of integration, series and sequences, parametric curves and calculus in polar coordinates. It is assumed that students have a thorough background in precalculus subjects, differential calculus and beginning integral calculus; including the definition of the integral, the Fundamental Theorem of Calculus, basic techniques of integration and the calculation of areas between curves. These last subjects will be reviewed--rapidly--at the beginning of the course.

Homework: All homework will be completed on the MyLabsPlus website (http://uconn.mylabsplus.com). There will be an assignment for each section, and the due dates will be posted there. In general, homework will be due around midnight on Monday and Thursday evenings. Note that many homework assignments are broken into two parts: part (a) allows you to view examples similar to the question at hand, while part (b) does not. In these situations, both are due on the same evening.
Your MyLabsPlus login will be the same as your Huskymail handle, and the default password is: **letmein** (please change this once you log in). You will need a MyLabsPlus access code (bundled with your book) to access the website. If you have any issues with the website, I will be happy to assist.

Quizzes: There will be two types of quizzes:
An online quiz will follow every few homework assignment. Instead of 5 attempts for each question (as on the homework), you will only have 1 attempt. Each of these is worth 3 points.
We will also have short in-class quizzes each Wednesday, based on the homework assignments. There will be no make-ups for missed quizzes.

Exams: There will be two mid-semester ***evening*** exams. They will be held 6-8pm on the following dates:

Thursday, February 24th Thursday, April 7th

(Mark your calendar now!)

A comprehensive final exam will be administered during the common MATH block of finals week. Attendance at exams is mandatory, and no make-up examinations will be offered.

Final Grades will be computed as follows:

Clicker responses (in lecture) – 5%
Mid-semester exams – 20% each
Homework – 10%
Quizzes (in-class and online) – 10%
Final Exam – 35%
Gateway Exam – 0% (see below)

Integration Gateway Exam: This is an online exam testing integration techniques. It must be taken in the Math department's MacLab (MSB 203) during posted hours. This exam will be available around week 8 of the semester. Any student who does not pass this exam will have their final course average dropped by one letter grade.

Tips for the Course:

- Stay up-to-date with the readings.
- Discuss the topics with your classmates.
- Take advantage of my office hours. This time is set aside for me to help you.
- Don't hesitate to ask questions in class.
- If you have issues with any assignments, please communicate with me. I'm here to help you as much as possible, but I will have little sympathy if you approach me the night before due date.
- If you have a diagnosed learning disability that requires special consideration, please let me know.

Class guidelines: It is expected that everyone in our class will act in a respectful manner:

-Turn off all cell phones and beepers before the start of class.
-Laptops are not to be used in class (facebook can wait!)
-If you are late to class, please enter quietly and take your seat quickly
-Cheating of any kind is absolutely unacceptable and will be result in failure of the assignment. Please review the student code:
http://www.dosa.uconn.edu/student_code.html

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		6.3	Volumes by Slicing
2	1/24	6.5	Length of Curves
		6.6	Physical Applications
3	1/31	6.7	Logarithmic and Exponential Functions Revisited
		7.1	Integration by Parts
4	2/7	7.2	Trigonometric Integrals
		7.3	Trigonometric Substitution
5	2/14	7.4	Partial Fractions
		7.6	Improper Integrals
6	2/21	7.7	Numerical Integration
			Review for Exam I
	2/24		Exam I, 6-8 PM
7	2/28	8.1	An Overview
		8.2	Sequences
	3/7		--Spring Recess--
8	3/14	8.3	Infinite Series
		8.4	The Divergence and Integral Tests
9	3/21	8.5	The Ratio and Comparison Tests
		8.6	Alternating Series
		9.1	Approximating Functions with Polynomials
10	3/28	9.2	Power Series
		9.3	Taylor Series
11	4/4	9.4	Working with Taylor Series
			Review for Exam 2
	4/7		Exam 2, 6-8 PM
12	4/11	6.8	Exponential Models
		7.8	Introduction to Differential Equations
13	4/18	10.1	Parametric Equations
		10.2	Polar Coordinates
14	4/25	10.3	Calculus in Polar Coordinates
			Review