Math 1152Q-001: Honors Calculus II Fall 2014

Lecture: M 10:10-11:00 p.m., TuTh 9:30-10:45 p.m. in Room MSB 219
Instructor: David Gross
Office: MSB 107
E-mail: David dot Gross at uconn dot edu
Office phone: (860) 486-1292
Office hours: Mondays, 2:00-3:00, Tuesdays, 1:30-2:30 and Thursdays, 2:30-3:30and by appointment

Textbook:
The textbook is Single Variable Calculus: Early Transcendentals, 7th edition, by James Stewart which is bundled with a WebAssign code for doing online homework.
BUYING THE BOOK AND WEBASSIGN ACCESS CODE: you can buy the bundled version of Calculus Early Transcendentals, Single Variable by James Stewart either at the UConn Coop or online directly from the publisher. Both the text and the Webassign code are required for this course.
The unbundled version of the book (that is, the book without a WebAssign access code) can be obtained in many places, but the cost of buying the unbundled text and the WebAssign code separately may be significantly greater.
How can you decide which version of the text to buy?
If you plan to take only Math 1152Q then you should purchase the single-variable version of the textbook. If you plan to continue with Math 2130Q or 2110Q, (Honors) Multivariable Calculus then you might want to purchase the heavier book Calculus: Early Transcendentals by Stewart that has covers all the material of our course and Multivariable Calculus.

IMPORTANT! 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 (Math 1132/1152) or Single and Multivariable (1131/1151, 1132/1152, and 2110/2130) in one text.
- 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 directly from WebAssign.

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 for one semester of calculus or $110 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. 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.
Please let me know if you have trouble getting a copy.

Goals:
The goal for the semester is to learn, understand and be able to work with the main ideas of Calculus II: applications of the integral, various techniques of integration, integral approximation, improper integrals, infinite sequences and series, including

power series and Taylor series, parametric curves and polar coordinates. This does not only mean that you should only be able to work through a bunch of problems similar to ones seen in the homework, but that you should have the ability to go beyond, presenting your knowledge in a clear and coherent manner as well. You should be able to apply the theory and ideas of the course to questions asking about more general phenomena.

Course Content:
We will cover the following material from Single Variable Calculus, Early Transcendentals, 7th edition by James Stewart.

Chapter	Chapter Title	Sections
6	Applications of Integration	6.1 - 6.4
7	Techniques of Integration	7.1 - 7.4, 7.7, 7.8
8	Further Application of Integration	8.1, 8.2
11	Infinite Sequences and Series	11.1-11.10
10	Parametric Equations and Polar Coordinate	10.1-10.4
9	Differential Equation	9.1-9.3

Important Dates:
The dates of the midterm exams are TENTATIVE.

Monday, Aug. 25	Classes begin
Monday, Sept. 1	Classes Cancelled - Labor Day
Monday, Sept. 8	Drop/Add via the Student Admin. System closes
Monday, Sept. 15	X/I Conversion deadline
Thursday, Oct. 2,	Exam 1
Monday, Oct. 20	Spring Registration via the Student Admin. System begins
Monday, Oct. 27	Withdrawal deadline
Thursday, Nov. 13	Exam 2
Sunday, Nov. 23	Thanksgiving Break starts
Saturday, Nov. 29	Thanksgiving Break ends
Friday, Dec. 5	Last Day of classes
Friday, Dec. 12	Final Exam, 8:00 a.m.-10:00 a.m.

Grades:
The course grade will be determined as follows:

Quizzes: 5%
Homework (WebAssign): 10%
Two midterms: 25% each

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Final exam: 35%

Homework:
You will have online homework using WebAssign. WebAssign problems will be assigned for each class day and will be due as follows: the HW from sections covered on Monday and Tuesday is due by 9:30 on that week's Thursday and the HW from sections covered on Thursday is due by 9:30 the following Tuesday). The assignments will be opened once the material is covered.
A few homework grades will be dropped.
I encourage you to work with your classmates and ask me questions if you get stuck.

Exams & Quizzes:
There will be two midterms and a comprehensive final exam in this class. The midterms are tentatively scheduled to be given in class on October 2 and November 13; the date for the final exam will be Friday, Dec. 12 at 8:00 a.m.
There will be short 5-10 min. quizzes at the beginning of class sporadically throughout the semester.

Make-Up Policy: No make-up for quizzes or midterms exams will be given. If you miss an exam and can show proof of some officially acceptable reason, E.g.: a verifiably documented medial excuse or a conflicting official university sanctioned activity that cannot be rescheduled, then I will redistribute the weight of that exam elsewhere.

Please avoid making travel arrangements that would not allow you to take the final at the scheduled time. All rescheduled final exams must be approved by the Dean of Students Office and they to not allow rescheduling for this sort of reason. Please note that vacations, previously purchased tickets or reservations, graduations, social events, misreading the assessment schedule, and oversleeping are not viable excuses for missing a final exam either. If you think that your situation warrants permission to reschedule, please contact the Dean of Students Office to meet with a staff member as soon as possible.

Calculator Policy:
Only numeric and/or graphing calculators that does not have a CAS, i.e, cannot do symbolic manipulations, are allowed for quizzes and exams. If you want to use a calculator, I recommend any version of the TI-83 or TI-84.

Help:
If you're having trouble understanding the course material or you want to find out more about a topic, come find me! I have office hours. That and anything else you want to talk with me about is what they are for! If however, they don't fit your schedule, we can make an appointment to meet at another time.

You can also visit the Q Center, follow @uconnqcenter. This course is supported by the Q Center. They have free drop-in tutoring as well as a list of private tutors. Their

hours are very student friendly, 7 days a week into the late evening (except for Saturday). Not all the math tutors are comfortable tutoring for Math 1152Q though, so you should check the Q Center's website to find out when tutors for this course are available.

Academic Integrity:
I expect you to be familiar with and abide by UConn's academic integrity policy at all times. If you work on the homework with your classmates, you must write your own solutions individually. There should be no help given or received on midterms or the final exam. Academic misconduct includes, but is not limited to, providing or receiving assistance in a manner not authorized by the instructor in the creation of work to be submitted for academic evaluation (e.g. papers, projects, examinations and assessments - whether online or in class); presenting, as one's own, the ideas, words or calculations of another for academic evaluation; doing unauthorized academic work for which another person will receive credit or be evaluated; using unauthorized aids in preparing work for evaluation (e.g. unauthorized formula sheets, unauthorized calculators, unauthorized programs or formulas loaded into your calculator, etc.); and presenting the same or substantially the same papers or projects in two or more courses without the explicit permission of the instructors involved. A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and shall be subject to the sanctions and other remedies described in Appendix A of the Student Code. Sanctions shall include, but are not limited to, a letter sent to the Office of Community Standards of the University; a grade of 0 on the assignment, quiz or exam; a grade of F for the course.

Religious Observances:
Some students may wish to take part in religious observances during this academic term. If you have a religious observance that conflicts with your participation in the course, please meet with me before the end of the second week of the term to discuss appropriate accommodations.

Student Athletes:
If you are a student athlete, let me know soon. Speak with your CPIA counselor and talk with them about any dates that conflict with your participation in this course. I should know of these conflicts within the first two weeks of the course. Alternate arrangements for away game conflicts with midterms might be possible.

Accessibility Issues:
If you have accessibility issues, I encourage you to discuss possible accommodations with me and consult the Center for Students with Disabilities in Room 204 of the Wilbur Cross Building. This office can help determine appropriate accommodations for you.