University of Connecticut
Department of Mathematics

MATH 1152Q- Section 01

Honors Calculus II - Spring 2016

Course Outline

Instructor: Charles Paquette

Office: MSB333

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Office Hours: To be determined by a survey.

Classes: TuTh 12:30 PM – 1:45 PM in MSB211 and Mon 11:15 AM – 12:05 PM in MSB315

Textbook: *Single Variable Calculus (early transcendentals)*, 8th Edition, by James Stewart. If you plan to take Math 2110Q or 2130Q, you may consider buying the full version of Stewart's book (with multivariable calculus in it). You **need the WebAssign code** for this course.

Prerequisites: MATH 1151(135) or advanced placement credit for calculus (a score of 4 or 5 on the calculus AB examination or a score of 3 on the Calculus BC examination) or consent of instructor.

Webpage: http://www.math.uconn.edu/∼paquette/Math1152s16

Syllabus: (This probably includes more than what we will be able to cover)

- Chapter 5 (Integrals): This is a review with an emphasis on Riemann sums and on the fundamental theorem of calculus.
- Chapter 6 (Applications of integration): Sections 6.1 to 6.5.
- Chapter 7 (Techniques of integration): Sections 7.1 to 7.4 and 7.7 to 7.8.
- Chapter 8 (Further Applications of integration): Sections 8.1 and 8.2.
- Chapter 9 (Differential Equations): Sections 9.1, 9.3 and 9.5.
- Chapter 10 (Parametric Equations and Polar Coordinates): Sections 10.1 to 10.4.
- Chapter 11 (Infinite Sequences and Series): Sections 11.1 to 11.10.

Examinations and grades:

- First Midterm Exam (20%): Tuesday the 23rd of February, in class (tentative date).
- Second Midterm Exam (20%): Tuesday the 5th of April, in class (tentative date).
- WebAssign Homeworks (13%): Most weeks, you will be given a WebAssign homework. You will have about a week to complete each WebAssign homework. The worst score will be dropped and won't count towards the final grade. As a general rule, WebAssign homeworks will be due at 11:59 PM on Thursdays.

- Written Assignments (12%): Most weeks, you will also be given a written assignment, that will complement the WebAssign homework and require deeper thinking. You will have a week to complete it. Written assignments have to be turned in during Thursday's class. Once submitted, I will randomly pick one question and grade it. The solution will be made available online, on the course website, just right after Thursday's class.
- Final exam (35%): Date to be determined in the "Finals Week". The final exam is cumulative.

Makeup/extension Policy: Baring exceptional circumstances, missed exams cannot be made up. If you know that you will miss an exam for a valid reason, contact me as soon as possible so that we can reschedule. Late written assignments cannot be turned in for credit once the solution is made available online (which usually happens just right after Thursday's class). If you know that you will miss a class where a written assignment has to be turned in, please let me know before the solution is made available. No extension will be granted on WebAssign for last minute excuses, such as a technical problem with a computer or with the Internet connection (remember that the worst score is dropped).

In Class:

- Personal media devices (such as cell phones, ipods) are not to be used in class. Computers or tablets must be disconnected from the Internet and used only as a learning tool. Failure to follow these rules may result in class expulsion.
- If you cannot attend a class, you should ask me (or a classmate) to get the material covered and the announcements made during that class.

In Exams:

- Only basic scientific calculators are allowed in exams. Calculators that can perform symbolic operations (integration, differentiation–such as the HP 28 or 48, or TI-92 or 89) are not allowed.
- No electronic device is allowed in exam, except a calculator; see the above remark. If there is no clock in the classroom, I will write the time on the board.

Q-Center: The Q-center offers free tutoring. In addition to drop-in free tutoring, the Q-center also has a list of private tutors. Check the website (www.qcenter.uconn.edu) for hours and locations.

How to succeed:

- You have to **spend time**! Do the homeworks and suggested problems, read ahead in your textbook and read your notes.
- Don't miss classes (even if you feel you already know the material).
- If you are stuck on a problem or if you don't understand something, **do not wait to ask help**. You can talk to a classmate or talk to me by email or by coming to my office during my office hours. You can also consider going to the Q-center.

Integrity:

"A fundamental tenet of all educational institutions is academic honesty. Academic work depends upon respect for and acknowledgement of the research and ideas of others. Misrepresenting someone else's work as one's own is a serious offense in any academic setting and it will not be condoned." A student who knowingly assists another student in committing an act of academic misconduct shall be equally accountable for the violation, and both shall be subject to the sanctions and other remedies. See the Uconn Student Code, Appendix A.

Students with Disabilities:

The Center for Students with Disabilities (CSD) at UConn provides accommodations and services for qualified students with disabilities. If you have a documented disability for which you wish to request academic accommodations and have not contacted the CSD, please do so as soon as possible. The CSD is located in Wilbur Cross, Room 204 and can be reached at (860) 486-2020 or at csd@uconn.edu. Detailed information regarding the accommodations process is also available on their website at www.csd.uconn.edu