Calculus 2 – Math 151 – Fall 2018

TTh 2:30-3:50 Serra 312; W 10:10-11:05 Serra 209
TTh 4:00-5:20 Serra 312; W 11:15-12:10 Serra 209

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Office Hours: T 5:25-7:00 · W 12:10-1:30 · Th 12:10-2:20

Supplies

Text:

Essential Calculus with Early Transcendentals, 1E by Stewart.

Calculator:

You will only need a basic calculator, and only for some of the homework problems in this course. You will not need and will not be able to use a calculator on the exams.

Stapler:

A stapler is required. Any assignment longer than one page that you hand in must be stapled together. Loose bundles of paper will not be accepted.

Prerequisites

Prerequisites: You must be comfortable with the material from Calculus I, including being able to take the derivative of any continuous function in sight, implicit differentiation, area and the definite integral, the fundamental theorem of calculus, and understanding exponential and logarithmic functions. *Furthermore, you must have adequate algebra and trig skills to succeed in this course.* Please come see me if you feel you need some practice in any of these areas.

Earning Points

You can earn points in this class in the following ways:

Professional Conduct	.....	5%
Written Homework	.....	10%
Exam 0.5, Sept 13	.....	10%
Exam 1, Oct 16	.....	25%
Exam 2, Nov 20	.....	25%
Exam 3, Dec 18 @ 2 or Dec 20 @ 11	.....	25%

All assessment will be based on a judgment of your ability to solve problems, to make valid arguments, and to communicate and explain your reasoning.

Grading Scale

The grading scale below will determine your final grade.

97-100 = A+	87-89 = B+	77-79 = C+	67-69 = D+
93-96 = A	83-86 = B	73-76 = C	63-66 = D
90-92 = A-	80-82 = B-	70-72 = C-	60-62 = D-

Note: Laughing at the professor's jokes can only improve your grade.

Time Expectations

As with any 4 unit college course, you should expect to spend a minimum of 8 hours per week outside of lecture on work for this class. This course is no exception, and in fact will likely demand more than that if your preparation is not strong. Do not fall behind! If you find yourself lost or confused please come see me at once so that you can get back on track.

Professional Classroom Conduct — 5%

You are expected to conduct yourselves maturely and respectfully in the classroom; I promise to do the same. Each student will begin with full credit for this portion of your grade, and I intend that each student will also end the course with full credit for this portion. However, in order to insure that the classroom atmosphere remains supportive and positive and is not poisoned by inappropriate behavior, it is possible to lose points for the following behaviors:

1. No whining allowed! This will be a difficult course and most of you will find the course challenging. We will face the challenge together with a positive attitude. Complaining about the quantity or difficulty of the work required for this course makes the course unpleasant for you and those around you, and it will not be tolerated in class.
2. Your attitude towards your fellow classmates and your professor must always be kind and respectful.
3. You should arrive to class on time and stay in the classroom until the end of class. If you will need to arrive late or leave class early, you should get my permission before class starts. Take care of any pressing personal needs you may have before coming to class; walking in and out of the classroom during lecture is disruptive and disrespectful.
4. You are expected to participate in all classwork activities, and to not distract your classmates from their classwork with non-math chit-chat.
5. Cell phones off, of course!

Homework – 14%

Two to six homework problems will be assigned nearly every class period, and will be due at the *beginning* of the next class period. *I will not accept late homework under any circumstances*, but I will drop your 2 lowest homework scores. Note that if you miss a class for any reason (not advised!!), you are still responsible to get your homework assignment in on time. You may give it to a friend to turn in, turn it in early, type it up and email it to me, or even fax it in (619-260-4293 – if you fax, be sure to write in PEN and not pencil), but it must arrive on time in order for you to receive credit.

These written problems will be graded carefully both for correctness and for clarity of presentation – this is your chance to really show off your stuff! An additional handout discusses written homework grading policies and qualities of a good homework solution write-up in some detail, and we will spend a good deal of time in class discussing this as well.

Quiz and Exams – 75%

There will be 3 exams and 1 short quiz in the course, at the dates written above. These exams are closed book, closed notes, closed friends, open brain, and under the honor system. I will not, under even the most extraordinary, amazing circumstances, give a make-up on a midterm. Please schedule your trips, illnesses, and deaths of pets to not overlap these dates.

Accommodations

Any student with a documented disability needing academic adjustments or accommodations is required to speak with me *during the first two weeks of class.* All discussions will remain confidential.

Academic Integrity

While I encourage you to work in groups to discuss the problems in your homework, the work that you hand must be your own. This means every word and symbol that you write on the paper was your own idea, originating from your own brain, without any outside help. Be careful discussing problems with others that you do not fall into the habit of writing up the solutions together as well. *I have instructed the reader to give a 0 to any homework assignment which is nearly identical to another homework assignment, or which is nearly identical to the solution presented in the Solutions Manual.* In addition, violating this policy is an Academic Integrity violation and will result in your being referred to the Honor Council.

Learning Outcomes

Learning outcomes for this course include the following:

- Understanding the concept of an integral and how it relates to the derivative.
- Calculating integrals using a variety of techniques and using these to solve applied problems.
- Understand what it means for a series to converge and be able to apply appropriate convergence tests
- Understand the concept of a power series and a power series expansion of a function