Syllabus for Math 236, *Calculus II*, Fall 2019

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Office Hours: WF 11:15am-12:00noon, Th 12:30-1:30pm and by appointment.

COURSE GOALS: Math 236 continues Calculus I and gives a solid coverage of integral calculus, infinite sequences and series, and power series.

REQUIRED TEXT: *Calculus, Early Transcendentals, 8th ed.*, by James Stewart, 2016. You are required to purchase a Webassign code for this class which comes with an electronic copy of the text. If you want a hard copy of the text, several options are available. You may purchase a hard copy, rent a hard copy, or purchase loose leaf pages of the text.

CALCULATORS: For quizzes and exams, you may use a simple scientific calculator that is not programable and does not store formulas or graph functions. You may use any calculator or computer to assist you in graphing for understanding the material and doing the homework.

OTHER MATERIALS: You need a notebook to hold notes homework assignments. PENCIL - all quizzes and tests must be done in pencil. Those done in pen will have points deducted.

GRADING: The grading will be assigned the following scale:
   A: 90-100%   B: 80-89%   C: 70-79%   D 60-69%   F: Below 60%

There will be no curves and no extra credit. I will assign +/- on an individual basis. Points are assigned as follows: Friday Quizzes (10) - 100 points   Midterm exams (3) - 100 points each   Webassign- scaled to 100 points (15% of grade)s   Final exam - 150 points

QUIZZES: There will be a 10 point closed book quiz each **Thursday** at the beginning of class. This quiz will cover material through the previous class. Quiz questions will be similar (but certainly not limited) to homework questions. The 10 best quiz scores will be kept, and the rest will be dropped. There will be no make up quizzes given. The quizzes are a good way for you to gauge your understanding of the current material and to keep up with the homework.

MIDTERMS and FINAL: There will be three midterms during the semester worth 100 points each and a final exam worth 150 points. If you cannot make it to a scheduled exam, you MUST contact the instructor BEFORE the exam if at all possible, or if an emergency, WITHIN 24 HOURS after the exam if you need to schedule a make up exam. Make up exams will only be given for extreme excuses. A doctor's note or some other physical excuse is required. Dates for exams (subject to change):

    Midterm I - Thursday September 26
    Midterm II - Thursday October 24
    Midterm III - Thursday November 21
    Final Exam - Section 002 Wednesday, December 11, 8:00am-10:00am
         - Section 003 **Tuesday, December 10, 10:30-12:30am**
***Note this is a slight change from the JMU final exam schedule**

UNIVERSITY POLICIES For University policies for attendance, inclement weather, disability accommodations and religious accommodations, please see: `http://www.jmu.edu/syllabus/`

HONOR CODE You are to abide by the JMU honor code at all times. Ignorance of the law is no excuse. Cheating will not be tolerated and will be prosecuted to the fullest extent. Familiarize yourself with the honor code here: http://www.jmu.edu/honorcode/

HOMEWORK: Homework problems from the text will be assigned after each section, but not collected. Homework, however, is of the utmost importance! You must keep up with the homework, and do it everyday. You will also be given Webassign problems to complete from each section. Here is a homework strategy that I recommend:

- Before class, read the section that we will go over. Take the pre-lecture quiz.
- After the lecture, read the example problems again. Try each homework problem. If you can't get started, look for a similar example problem in the text or on Webassign.
- For Webassign problems: You will be given 10 opportunities to get the right answer for an open ended question. True/False questions only get one opportunity and multiple choice get 2. Sometimes you get the wrong answer because you misread the question or because your notation is not correct. You will get full credit if you get the correct answer within the 10 tries. If you cannot get the right answer (you do NOT have to try 10 times!) or if you have to make more than one attempt (not due to notation) write down the problem in your notebook and ask about it in class.
- When reviewing for quizzes and exams, pay particular attention to the Webassign problems that you wrote in your notebook.

There will be opportunities to ask questions about the homework problems at the beginning of each class. However, there may not be time to answer everyone's questions, or go over every homework problem. You are encouraged to work together in groups on the homework problems. Most Webassign problems are also in the textbook, but will be modified in Webassign. You should also keep notecards with Theorems, Integration techniques, Convergence tests and any other things you think you need to memorize. These notecards can be reviewed before each quiz, exam and the final exam. See below for "additional help".

ADDITIONAL HELP: Calculus is a notoriously difficult class. Expect to put a lot of time and effort into the class and homework. Do NOT allow yourself to fall behind! This class moves very quickly, and there is not time to catch up. If you feel yourself falling behind, come to my office hours to discuss how to keep up. If you need extra help, come to office hours and form a study group with others in the class.

The Science and Math Learning Center (SMLC) is located on the first floor of the Student Success Center and provides free, drop-in tutoring (i.e. No appointment needed) Monday through Thursday 10AM-8PM, Friday 10AM-2PM, and Sunday 5PM-8PM.

You are welcome to e-mail homework questions to me, but please include the entire question, because I may not have access to a book when I answer your e-mail.

FIRST WEEK ATTENDANCE POLICY: At the instructor's discretion, any student registered for a class in the Department of Mathematics and Statistics who does not attend at least one of the first two scheduled meetings of the class (or does not attend the first scheduled meeting of a class that meets once a week) MAY be administratively dropped from the class. Students will be notified by e-mail if they will be dropped. Students who fail to attend should not assume they will be administratively dropped by their instructor; it is the students responsibility to drop the course on their own or they will receive a grade at the end of the semester. All students are responsible for verifying the accuracy of their schedules and changes made in their schedules.

LEARNING: Your goal in this class is to learn Calculus. My role is to facilitate that learning. You will get out of this class what you put in to it. There are no shortcuts. You MUST do the homework. You MUST study for the quizzes each week. You MUST get help as soon as you do not understand a concept so that you can LEARN it and move on to the next one. Learning is not easy. It takes effort and persistence. It is a struggle. Do not see your mistakes as failures, but rather as learning opportunities! It is the struggle that leads to learning. Embrace the challenge.