

# Syllabus for Math 235, *Calculus II*, Fall 2020

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**COURSE GOALS:** Math 235 is the first course in the Calculus sequence 235/236/237. Topics include limits, differentiation, applications and integration. Pre-requisite: Sufficient score on the math placement exam.

**REQUIRED TEXT:** *Calculus, Early Transcendentals, 8th ed.*, by James Stewart. You are required to purchase access to Webassign 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. My recommendation is to purchase “Cengage Unlimited” which give you access to any Cengage course that you are taking, text rentals for \$7.99, and multi-term access for courses. This will give you access if you take Math 236 or 237. The cost is \$119.99 (if it does not cost this amount, you do not have the correct option).

**CLASS FORMAT:** This class will be HYBRID. This means that some classes will be taught in person and some will be taught online. The online classes will be either SYNCHRONOUS or ASYNCHRONOUS. Synchronous means that you are required to be online during the time of your regular class meeting time. Asynchronous means that you can do what is required at any time and you are FREE during that class time. A detailed class format will be given to you before class starts. This format MAY be modified as the semester progresses.

Because classroom capacity is reduced by 50%, you will be divided into 2 groups for the entire semester. For in-person days, only one group will meet. The other group will be online. At this point, for most weeks, each group will meet in person for 1 class each week, have 1 synchronous class each week and 1 asynchronous class each week. The 4th class will be an online synchronous assessment. Quizzes will only take part of the class time and an asynchronous assignment will be given for the remainder of the class. Exams will take the entire class period and will be synchronous.

Because this is an online class, you will need access to high speed internet and a access to a quiet work environment. If you anticipate having trouble obtaining this access, please let me know as soon as possible. I will work to find a solution for every student in the class.

After Thanksgiving break, there will be no in-person class meetings for this class (including final exams). You may alter your travel plans accordingly (but keep in mind other courses may still meet in person). After Thanksgiving, all class meetings will be online with some being synchronous and some asynchronous. The University will decide the final exam day and time. As of now that information is not yet available.

**ZOOM:** We will use Zoom for synchronous class time, group work and office hours. JMU is planning on integrating Zoom into Canvas and you will each have an account that way. If JMU does not get this accomplished by the beginning of class, you will need to register for your own free Zoom account (in order to participate in the break out groups) with your JMU email. Instructions will be given if this need arises. Zoom etiquette - since I would like to interact with you as an individual and not as a name on a screen, I would prefer that your camera is ON. At a minimum, please use a profile picture that is representative of you in some way. This is not a strict requirement, but will be helpful to all of us to get to know each other a little better. While we are meeting as a full class, please keep your microphone muted to allow everyone the best chance to hear what is going on. During small group break outs, please feel free to keep yourselves unmuted so that you can freely participate in your groups discussion. When we are online together, try to really focus on what is going on in class. Avoid checking your email, texts, or social media, and try to plan ahead so you dont need to leave to use the restroom or get a drink. These activities disrupt your learning, and can distract your classmates. If you do have to step away, mute your microphone and turn off your video.

**OFFICE HOURS:** Office hours will be online with Zoom. MW 11:00am-12:00noon, Th 12:15-1:15pm and by appointment. I will wait 15 minutes after the start of office hours. If no one is “in my office”, I will log off. If you know you are going to be late, let me know. If you log on and I’ve already left, send me an email and I’ll log back in.

**ATTENDANCE:** Attendance at in-person class meetings and synchronous online class meetings is required. Attendance will be taken each day. To facilitate in-person attendance taking and contact tracing, you will have an assigned seat in the classroom. If you feel sick or if you have a red X on your LiveSafe app for the day, your absence will be excused from in-person meetings. Please do not come to class. If you are sick enough to not attend online classes, contact me and your absences will be excused, but the work will still need to be turned in (with an extension if necessary). All class material will be available on Canvas.

**GRADING:** The grades 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: Quizzes (10) - 100 points, Midterm exams (3) - 100 points each, Webassign- scaled to 100 points (13% of grade), Group Projects- scaled to 100 points (13% of grade), Final exam - 150 points

**QUIZZES:** There will be an online 10 point closed book quiz each **Friday** that we do not have an exam. This quiz will cover material through the previous quiz or exam. 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. Currently, there are 11 quizzes scheduled so you may drop your lowest grade. In general, there will be no make up quizzes given. If you cannot make a scheduled quiz, you must contact the instructor prior to the quiz to get permission to make up the quiz. 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 online midterms during the semester worth 100 points each and a cumulative online 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.

Dates for exams :

Midterm I - Friday September 25, Midterm II - Thursday October 22, Midterm III - Thursday November 19,

**Final Exam** - Friday, December 11

**WEBASSIGN:** You will access Webassign through Canvas, therefore you will not need a class code. You will be able to see all due dates on Canvas. You will turn in all of your homework on Webassign and some of the Group Projects as well.

**HOMEWORK:** Homework problems will be assigned after each section via Webassign. Because there are 2 groups per class and some work is done asynchronously, homework sets will be due by midnight on Thursday each week. However, you should not wait until Thursday to do the homework. We will cover approximately 2 sections each week. Both sections will be due on Thursday. Do the first section early in the week and the second section by Thursday. You should also keep notecards with Theorems, Definitions, sample problems 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".

**Webassign strategies:** 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 will 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 or office hours. 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 during the in-person class meetings and in office hours. 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 - either in person or online - on the homework problems.

**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, make an appointment during 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 providing free, synchronous and asynchronous online tutoring starting September 2. Check the website <https://www.jmu.edu/smlc/> for hours.

**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/>.

**ADDITIONAL UNIVERSITY POLICIES:** For University policies regarding attendance, inclement weather, disability accommodations and religious accommodations, please see: <http://www.jmu.edu/syllabus/>

**COVID 19 POLICIES:** The official JMU COVID-19 information page is here: <https://www.jmu.edu/stop-the-spread/>. Masks will be required to be worn properly in the classroom and proper social distancing must be maintained. I am also aware that these are uncertain times and that you will be under a significant amount of stress, inconvenience, and emotional weight this semester. I will be supportive of you protecting your own health during this pandemic. Please feel free to reach out to me if you need assistance of any kind.

**MENTAL HEALTH SUPPORT:** The JMU Counseling Center <https://www.jmu.edu/counselingctr/> has many resources and programs that are free to students seeking help and support. [Madison Cares](#) is a referral service for JMU community members to refer a student to get help. If you find yourself facing severe stress, suffering mental pain, enduring abuse, or having a difficult time coping with everyday life, please feel free to reach out to me. Together we can find resources on campus that can provide you with assistance and support.

**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 (in person or online) 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.

**EQUITY AND INCLUSION: Mathematics is for everyone, and everyone can do mathematics.** YOU are welcome in this class, and YOU can do mathematics. I support every student in learning mathematics regardless of age, gender, identity, race, religion, orientation, economic situation, language ability, major, or anything else. Our class and my office are safe places for every student. I affirm that the lives and experiences of Black, Indigenous and People of Color matter and are valued in this class.

**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.

**WELCOME TO CALCULUS!!**