MATH213DL2: Analytic Geometry and Calculus III – SPRING 2022

Instructor: Dr. Harbir Lamba
E-mail: hlamba@gmu.edu (only email me from your official GMU email account please.)
Office: Exploratory Hall, Room 4459 (not that I will be there much)

Office Hours: These will vary but there will typically be 2-3 of them each week.
Webpage: http://math.gmu.edu/∼harbir/m213DL2/ .

Textbook: Thomas' Calculus (early transcendentals). The course will cover almost all of Chapters 12-16.

COVID-19 arrangements

Every week there will be video lectures. It is your responsibility to study these as well as reading the relevant sections in the book. The online materials that come with the book (but at extra cost so I am not requiring them) are also very helpful. You should always attempt questions yourself first 'closed book' as if you were in an exam.

The class is half/half and so we will only meet online once a week and zoom attendance is expected and strongly encouraged but not mandatory. The recitation classes on the other hand are in-person and attendance will be taken (your grade will be adversely affected if you do not attend often enough).

During classtime on Wednesdays I will go over homework questions and answer any questions about the material. You MUST have read the material and attempted the homework questions properly beforehand to get any substantial benefit from them.

The Teaching Assistant for your recitation class is Michael Merkle (mmerkle@gmu.edu) and he will have office hours as well.

The videos will be made available through the Blackboard course page (go to the Media Gallery) but that is pretty much all I will be using Blackboard for. Check the course webpage and your GMU email reglarly for any announcements.

EXTREMELY IMPORTANT:
While the classes are online the current plan is that the final exam will be IN-PERSON on the weekend of May 14-15 (most likely May 15). Furthermore there will be three IN-PERSON tests during the semester as well. These will happen during the scheduled class time (see dates below). You must be prepared to come to campus on those days — no online alternatives will be possible.

Tests and Grading

Homework questions will be set after each section is completed. These will not be collected or graded but you are STRONGLY advised to attempt them and write out your solutions as if they would be. You are encouraged to discuss these problems amongst yourselves and to make use of my and the TA's office hours and the online materials. But you will not benefit until you have made a serious attempt by yourself beforehand. Note that the list of homework questions is the ABSOLUTE MINIMUM you should be doing each week. You should attempt as many questions as you feel you need to. Most of the odd-numbered questions have solutions in the back of the book

The course will be evaluated with 3 IN-PERSON tests during the classtimes on February 23rd, March 30th and April 27th. Your 2 best results (relative to the class average for that test) will each contribute 25% towards the evaluation and the remaining 50% will come from the (cumulative) IN-PERSON FINAL EXAM (most likely) ON SUNDAY MAY 15th. I shall explain the grading system in more detail in the first lecture[1]. If you miss more than one of the classtime exams then you will need to provide very good

[1]NOTE: I DO NOT GRADE ON A CURVE. The formula I use to rank you involves the class average but the grade boundaries are determined by absolute, not relative, performance! If you all deserve an A grade then you will all get an A grade. If you all deserve to fail then you will all fail. I only take the class average into account to cancel out any differences in the difficulty of the tests.

(and fully-documented) reasons for missing EACH of them. There will be NO make-up tests, alternative test dates, or 'extra-credit' assignments. You are expected to abide by the University Honor Code and all suspected violations will be reported to the Honor Committee. No outside materials will be allowed during any of the examinations. Details of the exams and how they will be administered will be given nearer the time.

Additional Remarks:

1) In addition to our office hours there is still help available for this course at the Math Tutoring Centre.
2) If you are a student with a disability and you need academic accommodations, please contact the Office of Disability Resources at 703 993 2474 as soon as possible. All academic accommodations *must* be arranged through that office.
3) It is YOUR responsibility to regularly check the course webpage, Blackboard, and your official university email address for announcements.
4) Please check the course webpage or this syllabus for the answers to any questions you may have before emailing me.