Syllabus: MTH 213 Analytic Geometry, Summer 2021

Instructor: Duy Nguyen Email: dnguyet@masonlive.gmu.edu

Live Lectures: MW/4:30 - 7:10 Office-hour: MW/8:20 - 9:20

Live Recitations: MW/7:20 - 8:10

Course home: https://mymasonportal.gmu.edu

Course format: *Online synchronous*: You are expected to come to *lectures* and *recitations* at scheduled times via Zoom.

Zoom link for lectures, recitations, and office-hour:
https://gmu.zoom.us/j/99048560464?pwd=ekF4WTR6d2djbDRDRFZvUDJqTEIzUT09

Zoom link for FCC:
https://gmu.zoom.us/j/92390684855?pwd=cXMxeXJrcUdidk5tbnhNVmU3NXB6Zz09

Link for FCC appointment: https://calendly.com/dnguyet

Textbook: Thomas' Calculus - Early Transcendentals, 14th Edition, by Hass, Heil, Weir

Math Tutoring Center: https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and

Important Dates:

Description	**Dates**
Last Day to Drop 50 percent Liability	Wed Jun. 9
Juneteenth (University Closed)	Fri. Jun. 18
Last Day of Class	Wed Jul. 21
Examination period	Thu. Jul. 22 - Sat. Jul. 24
Final Exam	TBD

Lectures, **Recitations**, and **Home-works**: During the **lectures**, you are expected to take notes and ask questions, because this is the only way that I can think of to make the lectures exciting and enjoyable for both the teacher and the students. During the **recitations**, you will collaborate with some of your classmates to work on Fundamental Concept Check (FCC) - more on this later - and/or home-work (**homework** is to be assigned but not collected). Lectures are to be recorded while recitations are not to be recorded.

One thing to keep in mind is this: This is an 8-week course; it is a fast-paced course. If you take this course, the clock starts ticking on the first day. So if you start falling behind early in the course, it is difficult (not impossible) for you to catch up. Please come to class regularly (and be prepared).

Fundamental Concept Check: *an* FCC is a series of conceptual questions that you will find on Blackboard. There are 4 units of FCC's (see Schedule for more on this). The purpose of an FCC is to test your *understanding* of the problems, not necessary *how* to do the problems. You will show your understanding of an FCC during a 10-minute 1 on 1 appointment. Here is how it works: You show up for the unit FCC meeting which you sign up; I'd pick randomly 3 questions from the unit to ask you. If you answer 2 of them correctly (within the 10-minute meeting), then you pass; if not, then you fail. If you fail, you can retake the same unit in the next meeting without penalty; though, you can only sign up for one unit for each meeting (see Schedule for more on this).

Grade Computation: Your letter grade is measured simultaneously by how many FCC's which you pass and your score on the final exam (the only exam). No quiz.

Grade Computation	**Letter Grade**
Pass 4 FCC's **and** ≥ 90 percent on the final exam	**A**
Pass 4 FCC's **and** < 90 percent on the final exam	**B**
Pass 3 FCC's **and** ≥ 80 percent on the final exam	**B**
Pass 3 FCC's **and** < 80 percent on the final exam	**C**

University Honor Code: See https://oai.gmu.edu/ for Academic Integrity.

One final note: If I am not able to lecture on some day, I will ask Professor Anton Lukyanenko (alukyane@gmu.edu) to help me lecturing on that day.

Schedule:

Week	Dates	Topic	Homework	Notes
1	05/31 - 06/4	Review of Calculus	(odd problems)	
Unit 1				
2	06/07 - 06/11	12.1 - 12.4	12.1: 1 - 63 12.2: 1 - 39 12.3: 1 - 14 12.4: 1 - 22 12.4: 35 - 49	Friday FCC
Unit 2				
3	06/14 - 06/18	12.5, 12.6, 13.1 - 13.3	12.5: 1 - 64 12.6: 1 - 44 13.1: 1 - 36 13.2: 1 - 22 13.3: 1 - 14	Thursday FCC (University Closed on 06/18)
4	06/21 - 06/25	14.1 - 14.5	14.1: 1 - 30 14.2: 1 - 48 14.3: 1 - 62 14.4: 1 - 40 14.5: 1 - 28	Friday FCC
Unit 3				
5	06/28 - 07/02	14.6 - 14.8	14.6: 1 - 20 14.7: 1 - 42 14.8: 1 - 15	Friday FCC
6	07/05 - 07/09	15.1 - 15.4	15.1: 1 - 40 15.2: 1 - 68 15.3: 1 - 22 15.4: 1 - 36	Friday FCC
Unit 4				
7	07/12 - 07/16	15.5 - 15.8	15.5: 7 - 20 15.6: 1 - 20 15.7: 1 - 28 15.8: 1 - 10	Friday FCC (unit 4 includes only week 7 topics)
8	07/19 - 07/23	16.1 - 16.4	16.1: 1 - 32 16.2: 1 - 48 16.3: 1 - 22 16.4: 1 - 40	