Math 114: Analytical Geometry and Calculus II

Course Syllabus: Summer 2020, Session B

June 1, 2020 - July 25, 2020

Instructor: Patrick Bishop

Office: Exploratory Hall 4462

Office Hours: T,R: 5:00pm-6:00pm

Email: pbishop3@masonlive.gmu.edu

Lecture Times: Video Recorded and will be posted to Blackboard each Monday. Please watch and begin working on problems for recitation.

Recitation Times: MTWR 7:20pm - 8:10pm, online via Zoom

Required Textbook: *Calculus, Early Transcendentals. Edition: 14th 18.* ISBN: 9780134768496. Please note that MyMathLab access code is optional.

Prerequisites: Undergraduate level MATH 113 Minimum Grade of C or Undergraduate level MATH 113 Minimum Grade of C, or, Undergraduate level MATH 123 Minimum Grade of C and Undergraduate level MATH 124 Minimum Grade of C.

Course Description: Over the term we will learn about applications of integrals, transcendental functions, techniques of integration, differential equations, sequences and series, and parametric and polar curves (Chapters 6-11).

Exams: Exams must be taken on the given dates listed below. They will be posted to blackboard and you will be given 24 hours to complete the exam. Submissions must be a photo converted to a PDF. Please make sure the photo is legible. No late submissions accepted.

Recitation: We will use Zoom to meet for recitation. A download for the application is free and available at https://zoom.us/. Having a zoom account is free for you and I will post a meeting ID and password on blackboard on 6/01/20. During recitation we will solve more difficult problems that I will not be able to cover in lecture. Attendance is mandatory but 3 attendance days will be dropped. (3 out of 30 days)

Homework: There will be a homework assigned every Monday morning and will be due by 11:59pm on each following Saturdays. Homework assignments will be posted to blackboard and you can either type out the solutions or write them by hand. If written by hand, you can then take

a picture with your phone and submit the photo to blackboard. Make sure any photos submitted are clear and legible and have all pieces of the homework completed. Any illegible submissions will not be given credit. No late submissions accepted.

Grading: There will be a total of 900 points to get in this class. The breakdown is as follows:

Assignment	**Points**
Attendance (27 days)	5 points
Homework (7)	50 points
Exams (2)	100 points
Final Exam (1)	200 points
Total	885 points

Electronic Devices: Please be respectful of your peers and your instructor and do not engage in activities that are unrelated to class. Such disruptions show a lack of professionalism and may result in penalties.

Disability Statement: If you are a student with a disability and you need academic accommodations, please see me and contact the Office of Disability Resources at 703.993.2474 or http://ods.gmu.edu. All academic accommodations must be arranged through that office.

Tutoring Center: The Math Tutoring Center is located in the Johnson Center Room 344. Help is available on a walk-in basis. For hours of operation see: http://math.gmu.edu/tutor-center.php

Counselling and Psychological Services: Counseling and Psychological Services pro- vides a wide range of free services to students. Individual and group therapy, work- shops, online self-help, and community education programs are designed to enhance students personal experience and academic performance.

University Honor Code: You are expected to follow the GMU Honor Code:
https://oai.gmu.edu/mason-honor-code/

Diversity: You are expected to behave in accordance with the GMU Diversity Statement:
http://ctfe.gmu.edu/professional-development/mason-diversity-statement/

Privacy: Students must use their masonlive email account to receive important University information, including messages related to this class. See http://masonlive.gmu.edu for more information.

Calender: On the next page is a tentative calender of when each section will be covered. The sections on the schedule are what will be discussed during recitation so please watch the videos corresponding to each section by recitation time.

Date	**Sections Covered**
Mon. 6/01/20	First Meet
Tues. 6/02/20	Ch. 6.1
Wed. 6/03/20	Ch. 6.2
Thurs. 6/04/20	Ch. 6.3
Mon. 6/08/20	Ch. 6.4, 6.5
Tues. 6/09/20	Ch. 7.1, 7.2
Wed. 6/10/20	Ch. 7.3
Thurs. 6/11/20	Ch. 8.1
Mon. 6/15/20	Ch. 8.2, 8.3
Tues. 6/16/20	Ch. 8.4, 8.5
Wed. 6/17/20	Ch. 8.7, 8.8
Thurs. 6/18/20	Exam 1: Review
Mon. 6/22/20	Exam 1
Tues. 6/23/20	Ch. 9.1
Wed. 6/24/20	Ch. 9.2
Thurs. 6/25/20	Ch. 9.3, 10.1
Mon. 6/29/20	Ch. 10.2, 10.3
Tues. 6/30/20	Ch. 10.4. 10.5
Wed. 7/01/20	Ch. 10.6, 10.7
Thurs. 7/02/20	Ch. 10.8
Mon. 7/06/20	Ch. 10.9
Tues. 7/07/20	Ch. 10.10
Wed. 7/08/20	Exam 2 Review
Thurs. 7/09/20	Exam 2
Mon. 7/13/20	Ch. 11.1
Tues. 7/14/20	Ch. 11.2
Wed. 7/15/20	Ch. 11.3
Thurs. 7/16/20	Ch. 11. 5
Mon. 7/20/20	Ch. 11.6
Tues. 7/21/20	(Last Day of Class) Final Review
Wednesday, 7/22/20	**Final Exam**