Course Syllabus, Fall 2019

Math 114-005, Analytic Geometry and Calculus II

Instructor Jack Love

Office 4453 Exploratory Hall

Office hours MW, 3:00-4:00pm

Email jlove6@masonlive.gmu.edu

Lectures MW 7:20-9:10pm, Robinson Hall B104

Teaching Assistant Mathew Hasty, mhasty2@gmu.edu

Required text *Thomas' 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 U113 Minimum Grade of T, 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 techniques of integration, applications of integrals, transcendental functions, sequences and series, and parametric and polar curves.

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, http://ods.gmu.edu. All academic accommodations must be arranged through that office.

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/

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

Counseling and Psychological Services Counseling and Psychological Services provides a wide range of free services to students. Individual and group therapy, workshops, online self-help, and community education programs are designed to enhance students' personal experience and academic performance.

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.

Grading The grading breakdown is as follows:

45% Midterm exams There will be three midterm exams during the semester.

30% Final exam There will be a comprehensive final exam at the end of the term.

No calculators, phones, notes, etc. are allowed on exams. You need to have your GMU ID to take exams.

15% Quizzes Quizzes will be given about once per week during lecture. Quizzes are open note, open book, and collaboration with your classmates is allowed.

10% Participation During recitation you will work in groups on practice problems. You are expected to contribute to the groupwork.

No late or make-up exams/quizzes/participation will be accepted.

Calendar The following page contains a tentative calendar for the semester.

Date	Lecture topic	Practice problems
08/26/19	Introduction and 6.1	6.1: 11, 17-27, 41-46, 55
08/28/19	6.1 and 6.2	6.2: 5-12, 24abc
09/02/19	no class	
09/04/19	6.3 and 6.4	6.3: 1, 2, 7-14, 16; 6.4: 13-21
09/09/19	6.4 and 6.5	6.5: 3-8, 15-20
09/11/19	8.1 and 8.2	8.1: 1-41 odd; 8.2: 1-29 odd
09/16/19	8.2 and 8.3	8.3: 3-19 odd, 25, 27, 29, 33-47 odd
09/18/19	8.4 and 8.5	8.4: 1-14; 8.5: 1-31 odd
09/23/19	8.5 and 8.7	8.7: 1-8
09/25/19	8.8	8.8: 1-15 odd
09/30/19	review	
10/02/19	exam 1	
10/07/19	10.1 and 10.2	10.1: 13-29 odd, 31-99 every other odd 10.2: 1-21 and 31-75, every other odd
10/09/19	10.2 and 10.3	10.3: 1-45 every other odd
10/14/19	no class—we meet 10/15 instead	
10/15/19	10.4 and 10.5	10.4: 1-55 every other odd 10.5: 1-45 every other odd
10/16/19	10.5 and 10.6	10.6: 1-47 every other odd
10/21/19	10.7 and 10.8	10.7: 1-35 odd; 10.8: 1-33 every other odd
10/23/19	10.8 and 10.9	10.9: 13-29 odd, 31-99 every other odd
10/28/19	10.10	10.10: 1,5,9,13, 29-51 odd
10/30/19	review	
11/04/19	exam 2	
11/06/19	7.2 and 7.3	7.2: 23, 29, 30, 47; 7.3: 13-22, 41-44, 51-54
11/11/19	7.3 and 11.1	11.1: 1-17 odd
11/13/19	11.2 and 11.3	11.2: 1-13 odd, 25-29 odd 11.3: 5-19, 27-35 and 53-59, odd
11/18/19	11.3 and 11.4	11.4: 1-15 odd, 17-20, 25-28
11/20/19	11.5 and 11.6	11.5: 1, 5, 9, 11, 15, 21, 23, 25 11.6: 9-33, odd
11/25/19	11.6 and 11.7	11.7: 1-63 every other odd
12/02/19	review	
12/04/19	Exam 3	
12/11/19	review	