GEORGE MASON UNIVERSITY

Department of Mathematical Sciences

Analytic Geometry and Calculus II (Math 114-002)

Instructor: Sean Lawton
Office: Exploratory Hall 4413
Office Hours: MW 1:00-2:00pm
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Lectures: 10:30 am - 12:20 pm, MW, Enterprise Hall 178

Teaching Assistant (TA): John Maxwell

Required Text: *Thomas' Calculus: Early Transcendentals, Single Variable* , 14th Edition. Please note that MyMathLab access code is *not* required (although it is encouraged).

Prerequisites: C or better in MATH113 or specified score on the Math Placement Test.

Course Description: Over the term we will learn about methods of integration, conic sections, parametric equations, infinite series, and power series (Chapters 6-11).

Exams: Tests must be taken on the given dates. There will be *four* exams during the semester and a comprehensive final exam at the end of the term. NO make-up tests will be given. Calculators are *not* allowed on exams. You need to have your GMU ID to take exams.

Grading: Your grade for the course will be calculated based on the four exams (400 points), and a Final Exam (200 points). Your course percentage will be your total *earned* points divided by 6.

The grading scale will be based on: A: 90-100%; B: 80-89%; C: 70-79%; D: 60-69%; F: below 60% .

Bonus Points: Although MyMathLab homework is not required, you will earn bonus points by doing the problems correctly. Likewise, bonus points will be rewarded for attendance/participation in recitation. Precisely, you can earn up to 5% bonus for each of MyMathLab and recitation attendance/participation.

Example: Student A earns 76% average on all exams and the final (this usually is a C). Student A also earned 95% in MyMathLab and 90% in recitation. Thus Student A's final percentage is 76+.95(5)+.9(5)=85.25, which is a B.

Example: Student B earns 90% average on all exams and the final but did not do any MyMathLab nor came to recitation (0% for both). Student B still earns an A with a final percentage of 90+0+0=90.

Homework: Homework will be assigned from every section we cover (from the book). Test questions will be based on assigned homework from the book. Homework will *not* be collected. We will go over some assigned homework in lecture. Additionally there will be problems similar to the assigned homework from the book assigned in MyMathLab. The link will be in Blackboard.

Electronic Devices (such as laptops, cell phones, etc.): 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 *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.

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*

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 of 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.

Tentative Lecture (MW) Calendar (HW might be updated as semester progresses)

Date	Lecture Topic	Homework
8/26/19	Introduction, 6.1	6.1: 11, 17-27, 41-46, 55
8/28/19	6.1, 6.2	6.2: 5-12, 24abc
9/2/19	**No Class: Labor Day**	
9/4/19	6.3, 6.4	6.3: 1, 2, 7-14, 16 6.4: 13-21
9/9/19	6.4, 6.5	6.5: 3-8, 15-20
9/11/19	7.1, 7.2 *Exam 1 Reveal*	7.1: 1-30 7.2: 9-18, 23, 29, 30, 47
9/16/19	7.2, 7.3	7.3: 13-22, 41-44, 51-54
9/18/19	**Exam 1: 6.1-6.5, 7.1-7.3**	
9/23/19	8.1, 8.2	8.1: 1-41 odd 8.2: 1-29 odd
9/25/19	8.3, 8.4	8.3: 3-19 odd, 25, 27, 29, 33-47 odd 8.4: 1-14

9/30/19	8.4, 8.5	8.5: 1-31 odd
10/2/19	8.7, 8.8	8.7: 1-8
	Exam 2 Reveal	8.8: 1-15 odd
10/7/19	**Exam 2: 8.1-8.5, 8.7-8.8**	
10/9/19	9.1, 9.2	9.1: 1-4, 15-18
		9.2: 1-19 odd
10/14/19	**No Class: Fall Break**	
10/15/19	9.2, 9.3	9.3: 1, 2, 13-16
10/16/19	10.1, 10.2	10.1: 13-29 odd, 31-99 odd
		10.2: 1-21 and 31-75 odd
10/21/19	10.2, 10.3	10.3: 1-45 odd
10/23/19	10.3, 10.4	10.4: 1-55 odd
	Exam 3 Reveal	
10/28/19	10.4, 10.5	10.5: 1-45 odd
10/30/19	**Exam 3: 9.1-9.3, 10.1-10.5**	
11/4/19	10.6, 10.7	10.6: 1-47 odd
		10.7: 1-35 odd
11/6/19	10.7, 10.8	10.8: 1-33 odd
11/11/19	10.9	10.9: 1-29 odd
11/13/19	10.10	10.10: 1,5,9,13, 29-51 odd
11/18/19	11.1, 11.2	11.1: 1-17 odd
		11.2: 1-13 odd, 25-29 odd
11/20/19	11.2, 11.3	11.3: 5-19, 27-35 and 53-59, odd
11/25/19	11.3, 11.5	11.5: 1, 5, 9, 11, 15, 21, 23, 25
	Exam 4 Reveal	

11/27/19	**No Class: Thanksgiving Break (11/27-12/1)**	
12/2/19	**Exam 4: 10.6-10.10, 11.1-11.3, 11.5**	
12/4/19	11.6 and Evaluations *Final Exam Reveal*	11.6: 9-33 odd
12/11/19	**FINAL EXAM**, 10:30 am – 1:15 pm, Enterprise Hall 178	Date and time are subject to university approval.

Calendar Links:

1. University calendar: https://registrar.gmu.edu/calendars/fall-2019/
2. University final exam calendar: https://registrar.gmu.edu/calendars/fall-2019/final-exams/
3. University religious holiday calendar: https://ulife.gmu.edu/religious-holiday-calendar/