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
Phone: 703 - 993 – 4269
Email: slawton3@gmu.edu

Lectures: 10:30 am - 12:20 pm, MW, David King Jr. Hall 1006

Teaching Assistant (TA): Calvin Stanley or Taylor Stevens

Required Text: *Calculus: Early Transcendentals* (2nd Edition) by Briggs, Cochran , & Gillett (ISBN-13: 9780321947345). Please note that MyMathLab access code is *not* required.

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 6-10).

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). You course percentage will be your total *earned* points divided by 6.

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

+ or – *may* be attached to the grade for the upper or lower 2 points in each range.

Homework: Homework will be assigned from every section we cover. Test questions will be based on assigned homework. Homework will *not* be collected. We will go over assigned homework in lecture and in recitation.

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

Date	Lecture Topic	Homework
8/27/18	Introduction, 6.1	6.1: 9-20, 27-34
8/29/18	6.2, 6.3	6.2: 9-14 6.3: 7-9, 17-34, 45, 47, 49, 50, 52
9/3/18	**No Class: Labor Day**	
9/5/18	6.3, 6.4	6.4: 5-14, 33, 34
9/10/18	6.5, 6.6	6.5: 7-16 6.6: 5-14
9/12/18	6.6, 6.7	6.7: 9-16, 19-21, 23-25, 27-37
9/17/18	6.7, 6.8	6.8: 7-40
9/19/18	6.9, 6.10	6.9: 13, 16, 28, 29 6.10: 22-40
9/24/18	**Exam 1: Chapter 6 (6.1-6.10)**	
9/26/18	7.1, 7.2	7.1: 7-14, 33-40 7.2: 7-38
10/1/18	7.2, 7.3	7.3: 9-44
10/3/18	7.4, 7.5	7.4: 17-56 7.5: 13-37, 42-50
10/8/18	**No Class: Fall Break**	
10/9/18	7.5, 7.6	7.6: 5-22
10/10/18	7.7, 7.8	7.7: 11-18

		7.8: 5-28, 35-50
10/15/18	7.8, 7.9	7.9: 31-40
10/17/18	**Exam 2: Chapter 7 (7.1-7.9)**	
10/22/18	8.1, 8.2	8.1: 9-16, 31-40, 63-66 8.2: 9-34, 45-58
10/24/18	8.2, 8.3	8.3: 19-40, 55-68
10/29/18	8.4	8.4: 9-18, 19-28, 29-34, 43-50
10/31/18	8.5	8.5: 9-18, 19-26, 27-38
11/5/18	8.6	8.6: 11-28, 45-56
11/7/18	**Exam 3: Chapter 8 (8.1-8.6)**	
11/12/18	9.1, 9.2	9.1: 15-22 9.2: 9-28, 29-34, 35-40, 41-46, 47-52
11/14/18	9.2, 9.3	9.3: 9-20, 29-38
11/19/18	9.3, 9.4	9.4: 7-24, 71-74
11/21/18	**No Class Thanksgiving Break (11/21-11/25)**	
11/26/18	10.1, 10.2	10.1: 15-20, 59-64 10.2: 37-48
11/28/18	10.2, 10.3	10.3: 21-36, 41-44
12/3/18	**Exam 4: Chapter 9 (9.1-9.4), Chapter 10 (10.1-10.3)**	
12/5/18	10.4, Course Evaluations	10.4: 13-24, 27-36, 39-48
12/12/18	**FINAL EXAM**, 10:30 am – 1:15 pm, David King Jr. Hall 1006	