

**George Mason University**  
**Math 214 - C01**  
**Elementary Differential Equations**

**Instructor:** Trey Andreani  
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**Office:** Exploratory Hall 4405  
**Office Hours:** MW 12:45-1:45pm  
**Zoom ID:** 541 952 8897

**Class:** MTWR 10:30am-12:35pm  
**Recitation:** TR 1:30-2:45pm  
**Room:** Peterson Hall 1105

**Prerequisite:** C or better in MATH 213 or MATH 215.

**Description:** We will cover first-order ODEs, higher-order ODEs, Laplace transforms, linear systems, nonlinear systems, numerical approximations, and modeling.

**Text:** Boyce and DiPrima, Elementary Differential Equations 11th Edition.

**Technology:** No calculators will be allowed at any point in the course. No phones, tablets, laptops, etc. will be allowed in the classroom. If you violate this policy you will be asked to leave, and will receive a zero on any of that day's assignments.

**Homework:** Homework will be assigned at the end of each class. Completing the homework assignment is the bare minimum of work you should be doing outside of class. Additional problems are available for those who would like extra practice. Homework will not be collected, but completing it is essential to passing the course.

**Recitation:** There will be a recitation twice per week focused on reinforcing the current material. Attendance and participation is mandatory.

**Exams:** There will be two exams during the course. You may not leave the classroom during an exam for any reason. Please come to class prepared. Make-up exams will only be given for extreme circumstances, must be accompanied by official documentation, and I must be notified in advance.

**Final Exam:** The final exam will be cumulative. The date and time are set by the university, and are non-negotiable.

**Grading:**

Attendance/Participation - 20%  
Exams - 40% (x2)

A: 90-100%   B: 80-89%   C: 70-79%   D: 60-69%   F: 0-60%

**Academic Integrity:** Violations of the honor code will not be tolerated.

*Student members of the George Mason University community pledge not to cheat, plagiarize, steal, or lie in matters related to academic work.*

**Tutoring Center:** The Mathematics Tutoring Center is located in the Johnson Center room 344. Please see the website for hours of operation.

<http://math.gmu.edu/tutor-center.php>

**Important Dates:**

Last Day to Drop (No Tuition Penalty) - June 29

Last Day to Drop (50% Tuition Penalty) - July 5

Last Day to Drop (100% Tuition Penalty) - July 12

Final Exam - Thursday, July 28 10:30 AM - 1:15 PM

**Schedule:** (Subject to Change)

Week	Monday	Tuesday	Wednesday	Thursday
6/27-6/30	1.1, 1.2, 1.3	2.1, 2.2	2.3, 2.4	2.5, 2.6
7/4-7/7	<i>Independence Day (No Classes)</i>	2.7, 2.8	2.9, 3.1	3.2, 3.3
7/11-7/14	3.4, 3.5	3.6, 3.7	4.1, 4.2	<b>Midterm Exam</b> (Ch. 1-3)
7/18-7/21	4.3, 4.4	7.1, 7.2, 7.3	7.4, 7.5	7.6, 7.8
7/25-7/28	6.1, 6.2	6.3, 6.4	Review	<b>Final Exam</b> (Ch. 4-7)