

George Mason University
Math 214 - 001
Elementary Differential Equations

Instructor: Trey Andreani
Email: fandrean@gmu.edu
Office: Exploratory Hall 4405

Class Time: TR 12:00-1:15 PM
Room: Horizon Hall 1014
Office Hours: TR 10:45 - 11:45 AM

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 weekly recitation based on the current material. Attendance and participation is mandatory. You will receive a separate syllabus with more detailed information from your recitation instructor.

Exams: There will be three 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:

Recitation - 10%
Exams - 20% (x3)
Final Exam - 30%

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.

Safe Return Policy: All students taking courses with a face-to-face component are required to follow the university's public health and safety precautions and procedures outlined on the university Safe Return to Campus webpage (<https://www2.gmu.edu/safe-return-campus>). Similarly, all students in face-to-face and hybrid courses must also complete the Mason COVID Health Check daily, seven days a week. The COVID Health Check system uses a color code system and students will receive either a Green, Yellow, Red, or Blue email response. Only students who receive a "green" notification are permitted to attend courses with a face-to-face component. If you suspect that you are sick or have been directed to self-isolate, please quarantine or get testing. Faculty are allowed to ask you to show them that you have received a Green email and are thereby permitted to be in class.

Mask Policy: Students are required to follow Mason's current policy about facemask-wearing. As of August 11, 2021, all community members are required to wear a facemask in all indoor settings, including classrooms. An [appropriate facemask](#) must cover your nose and mouth at all times in our classroom. If this policy changes, you will be informed; however, students who prefer to wear masks will always be welcome in the classroom.

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) - February 7

Last Day to Drop (50% Tuition Penalty) - February 14

Last Day to Drop (100% Tuition Penalty) - April 11

Final Exam - Thursday, May 12 10:30 AM - 1:15 PM

Schedule: (Subject to Change)

Week Beginning On	Tuesday	Thursday
1/24	1.1, 1.2	1.3, 2.1
1/31	2.2	2.3
2/7	2.4, 2.5	2.5, 2.6
2/14	2.7, 2.8	2.8, 2.9
2/21	3.1, 3.2	3.2, 3.3
2/28	Exam 1	3.4
3/7	3.5, 3.6	3.6, 3.7
3/14	<i>Spring</i>	<i>Break</i>
3/21	4.1	Exam 2
3/28	4.2, 4.3	4.3, 4.4
4/4	6.1, 6.2	6.2, 6.3
4/11	6.4, 7.1	7.1, 7.2
4/18	Exam 3	7.3
4/25	7.4, 7.5	7.5, 7.6
5/1	7.7, 7.8	7.8, 7.9
5/9		Final Exam 10:30AM-1:15PM