MATH 214-001 - ELEMENTARY DIFFERENTIAL EQUATIONS, FALL 2022
MW 3:00PM-4:15PM

Instructor: Simone Mazzini Bruschi
Office: Exploratory Hall, room 4221
Office hours: Monday 1:30pm-2:30pm & Wednesday 4:30pm-6:30pm
or by appointment
Email: sbruschi@gmu.edu
IMPORTANT: Always start the subject line of email with the code of the course and section (Math 214-001) followed by the specific subject. For instance and email about office hours should have the following subject line: "Math 214-001 Office hours"

Teaching Assistant: Matthew David Kearney
Recitations: Thursdays: 10:30am-11:20am, 11:30am-12:20pm, 12:30pm-1:30pm, at Horizon Hall 1011
TA Office hours: TBA

Textbook and Materials: *Elementary Differential Equations and Boundary Value Problems* 11th edition, by Boyce, DiPrima and Meade, Wiley.

Course Description: We will cover portions of Chapters 1-4, and Chapters 6,7 in the textbook. In the tentative schedule at the end of the syllabus, there is a detail list of sections covered in the course.

Course Testing schedule:

	Date and Time
Quiz 1	Monday, September 12
Midterm 1	Monday, September 26
Quiz 2	Tuesday, October 11
Midterm 2	Monday, October 24
Quiz 3	Monday, November 14
Final	Monday, December 12 - 1:30pm - 4:15pm

Homework- There will be weekly assigned homework that will count in the final grade. The two lowest homework grades will be dropped.

Grading:

Homework	15%
Quizzes:	20% (average of 3 quizzes)
Midterms :	20% each
Final Exam:	25%

Your course total (out of 100) will be converted into your letter grade by the following table.

A-, A , A+	90 – 100
B-, B, B+	80 – 89
C-, C, C+	70 – 79
D	60 –69
F	0 – 59

+ or − may be attached to the grade for *approximately* the upper or lower 2 points.

Exams Make up Policy: Quizzes, midterms and the final exam are all scheduled since the beginning of the semester. Please pay attention to these dates when scheduling any other activity/appointment. If you have an emergency, or health issue please let me know as soon as possible (preferably before the exam).

Academic integrity: To promote a stronger sense of mutual responsibility, thrust, and, fairness among all members of the Mason community, and with the desire for greater academic and personal achievement, we, the student members of the university community, have set forth this honor code:

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

For the remainder of the code, see: http://oai.gmu.edu/mason-honor-code

Students with Disabilities: All academic accommodations must be made through the Office of Disability Services (ODS) at 703.993.2474. Students must provide a copy of their Faculty Contact Sheet in order to receive accommodations. Note that accommodations are not retroactive. https://ds.gmu.edu

Equity and Inclusion: George Mason University is an intentionally inclusive community that promotes and maintains an equitable and just work and learning environment. We welcome and value individuals and their differences including race, economic status, gender expression and identity, sex, sexual orientation, ethnicity, national origin, first language, religion, age, and disability. Please email me if you have any concerns about any feeling of inequity in this course.

Attendance Policy: Students are expected to attend all classes. If a student misses a class, it is their responsibility to get notes and relevant information on what they missed.

Tutoring Center: GMU Math Tutoring Center: The Math Tutoring Center will be offering online tutoring services to students currently enrolled in undergraduate Math courses at GMU. More information can be found at
http://math.gmu.edu/tutor-center.php
https://science.gmu.edu/academics/department-untis/mathematical-sciences/math-tutoring/tutoring-center-hours-and

Important dates:

Classes Begin - August 22
Last day to drop with no Tuition Penalty - September 07
Last day to drop with Tuition penalty - September 14
Last day of Classes - December 03
Final Exam - Monday, December 12, 1:30pm-4:15pm

Weekly tentative schedule:

- Week 1: August 22, 24 - Sections 1.1, 1.2, 1.3, 2.1
- Week 2: August 29,31 - Sections 2.2, 2.3
- Week 3: September 5- no class, September 7 - Sections 2.4, 2.5
- Week 4: September 12, 14 - Quiz 1 - Sections 2.5, 2.6
- Week 5: September 19, 21 Sections 3.1, 3.2, 3.3
- Week 6: September 26,28 Midterm exam 1 - Section 3.4, 3.5
- Week 7: October 03, 05 Sections: 3.6,.3.7
- Week 8: October 11, 12 (Monday classes meet on Tuesday) Quiz 2 - Sections 4.1, 4.2,
- Week 9: October 17, 19 Sections 4.3, 4.4, 6.1
- Week 10: October 24, 26 Midterm exam 2 - Sections 6.2, 6.3
- Week 11: October 31, November 02 Sections 6.4, 6.5, 7.1,7.2
- Week 12: November 07, 09 Sections 7.3, 7.4, 7.5
- Week 13: November 14, 16 Quiz 3 - Sections 7.5, 7.6
- Week 14: November 21 Section 7.7, November 23 No class - Thanksgiving break
- Week 15: November 28, 30 - Additional topic + Review
- **12/12 Final Exam - 1:30pm - 4:15pm**