Syllabus

Ordinary Differential Equations **MATH 214-B03**
TTh 2:30-3:20 PM

Instructor: Dr. Brent Gorbutt
Office: Exploratory Hall 4309 (but really Zoom or Blackboard Collaborate Ultra)
Email: bgorbutt@gmu.edu

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

Course Description: We will be covering chapters 1, 2, 3, 4, 6, and 7 in the text. Since this course is online, for lectures I'll be uploading videos to BlackBoard. That way you have the recorded lectures for reference, and we can be more flexible with the scheduled class time.

Grading: Below are the components that will make up your grade for the class:

Quizzes	100 points
Midterm	100 points
Final Exam	150 points

Your final grade will be computed by dividing your total number of points from the above categories by 3.5.

Grade Scale: Below is the grading scale. I do not plan on curving your grades.

$90\% - 100\%$	A
$80\% - 89\%$	B
$70\% - 79\%$	C
$60\% - 69\%$	D
$< 60\%$	F

Homework: I'm not going to collect and grade homework, that portion of your grade will be assessed by quizzes. You are allowed to use your book and notes on the quizzes, but they will be timed. I will provide lists of suggested exercises for you to work as practice that will serve as guides for what to expect on the recitation quizzes. The quizzes will be taken on Gradescope.

Midterm: We will have one midterm, covering chapters 1, 2, chapter 3 sections 1-4 and chapter 4 section 2. Both the midterm and the final will be written. I'll post the exams to Gradescope for you to take. You'll then need to scan and upload your solutions as a PDF to Gradescope. It will be available to take anytime on the 24th of June but you will have a time limit of 120 minutes.

Final Exam: The final exam will consist of 5 questions from material covered in the first midterm and 10 questions from chapter 3 sections 5 through 8, chapter 6, and chapter 7. The final exam will be available to take anytime on the 22nd of July, but you will have a time limit of 180 minutes.

Office Hours: Office hours are by appointment.

Disability Statement: If you are a student with a disability and you need academic accomodations, please contact the Office of Disability Resources at 703.993.2474 or online at `http://ods.gmu.edu`. All academic arrangements and accomodations must be made through ODS.

University Honor Code: You are expected to follow the GMU Honor Code: `https://oai.gmu.edu/mason-honor-code/`

Diversity: You are expected to act in accordance with the GMU Diversity Statement: `http://ctfe.gmu.edu/professional-development/mason-diversity-statement/`

Calendar

Week	**Topics**
31 May	1.1, 1.2, 1.3, 2.1, 2.2
7 June	2.3, 2.4, 2.5, 2.6, 2.8
14 June	3.1, 3.2, 3.3, 3.4, 4.2
21 June	3.5, 3.6, 3.7, 3.8, 4.3, 4.4
24 June	Midterm 1
28 June	6.1, 6.2, 6.3, 6.4
5 July	6.5, 6.6, 7.1, 7.2
12 July	7.3, 7.4, 7.5, 7.6, 7.8
19 July	Review
22 July	Final Exam

A few suggestions to help you get as much as possible out of this class:

- Use the book. This is the single best thing that you can do to learn the material.
- Attend the recitation.
- Watch videos. I'll be uploading videos working problems. Use Khan Acadamy and other YouTube videos.
- Work problems. The best way to learn anything is to do it, math included.
- Ask for help. I'm are here to help you learn. Though we are unable meet in person we can still meet virtually through Zoom or BlackBoard Collaborate Ultra. I can set up my webcam to act like a document camera or use the whiteboard through Zoom or Collaborate Ultra so we can work problems together.
- The Math Tutoring Center is operating online. You can find out more about it at `https://science.gmu.edu/academics/departments-units/mathematical-sciences/math-tutoring/tutoring-center-hours-and`.