

MATH 214 Elementary Differential Equations

Section 004, CRN# 19596, TR 8:45-10 pm, Robinson B228

Instructor: Christopher J. Paldino

Office: 4309 Exploratory Hall 4th Floor (Adjunct Offices)

Office Hours: Tuesdays after class (in classroom) **Phone/Email:** 703-203-8661 / cpaldino@gmu.edu

Text: *Elementary Differential Equations*, 10th Edition by Boyce, DiPrima, published by Wiley (ISBN# 9781118157398).

Prerequisites: Grade of C or better in MATH 213 or 215.

Course Goals: The course covers First-order ODEs, higher-order ODEs, Laplace transforms, linear systems, nonlinear systems, numerical approximations, and modeling. Selected sections in Chapters 1-4, 6-8 will be covered.

Homework: Sections and practice homework problems for material covered will be posted on the course Blackboard page. These homework problems are not to be turned in. However, your success in the course and mastery of the course material will very much depend on your understanding of the material and the amount of time/work spent in practicing the concepts and approaches presented in class lecture and in the textbook.

Grading:

Two in-class tests (25% each)	50%
Quizzes	20%
Final Examination (Thursday, May 10, 7:30-10:15 pm)	30%

There will be NO make-up exams or quizzes. In the case one of the exam scores is much lower than the others, some consideration may be given in assigning the final grade. If an hour exam is missed due to an unforeseen valid, documentable emergency, your final exam grade will replace the missed exam.

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.

Tentative Test Dates*:

- **Test 1** - Thursday, March 8
 - **Test 2** - Thursday, April 12
- *You **must** bring your GMU ID to the exams.

Spring 2018 Important Dates:

- February 23: Last Day to drop
- March 12-18: Spring Break (No class)
- May 03: Last Day of (lecture) Classes
- May 10: Final Exam (7:30-10:15 pm) in Robinson B228

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: The quizzes, tests, and the final examination are closed-book. No notes or books may be used. In the quizzes, tests and the final examination, calculators are allowed. However, no other electronic devices can be used including mobile phones. You are expected to follow the GMU Honor Code <http://oai.gmu.edu/the-mason-honor-code/>

Course Policies:

1. If there are enough seats in the room, no students are allowed to sit next to each other during exams. I can change the seat of any student during exam for any reason.
2. I may check your ID during exams.
3. **When I build exams, I always think about what I did or said in class. So it is important you don't miss lectures. From my experience, students who attend all lectures tend to perform better in my classes.**

Contact Policy:

- *E-mail:* I ordinarily respond to email communication within one business day.
- *Phone/Text Messages:* Although I try to check phone messages during the week, the preferred method of communication will always be e-mail. I will make every effort possible though to return phone/text messages within 1-2 business days

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. Academic accommodations are to be arranged through that office.

THIS SYLLABUS IS A TENTATIVE PLAN FOR THE COURSE. THE INSTRUCTOR RESERVES THE RIGHT TO ALTER ANY ITEM WITHIN THIS DOCUMENT AS DEEMED NECESSARY.