Math 214 – Elementary Differential Equations – Fall 2018

Dates/Times TR 9:00-10:15
Location Enterprise Hall 178
Textbook *Differential Equations*, 4th edition, Blanchard Devaney and Hall, Brooks-Cole.
Instructor Matt Holzer, Exploratory Hall 4458
Email mholzer@gmu.edu
Phone 703-993-1463 (email is likely better)
Office Hours T 12:00-1:00, R 1:00-2:00, F 10:00-11:00 (others by appointment)
Course Description Differential equations are essential tools in the modeling of many phenomena. This course is an introduction to differential equations. We will cover topics from Chapters 1-4 and 6. This includes modeling using first and second order equations, linear systems, resonance and Laplace Transforms.
Prerequisites Grade of C or better in MATH 213 or 215.
Teaching Assistant Haseeb Baha, Office Hours TBD
Important Dates

Tuesday October 2nd : Exam #1
Tuesday October 9th: No class (Columbus Day)
Thursday November 13th : Exam #2
Thursday November 22nd: No class (Thanksgiving holiday)
Thursday December 13th: Final Exam 7:30-10:15

Attendance Attendance is not an explicit requirement for this course, but as you will see below it is an implicit requirement.
Reflection Assignments Each class a comprehension assignment will be assigned. It will consist of short answer type problems as well as some problems that will be done in class. These assignments will be due the following week in recitation. These assignments will be worth one point each. The two lowest scored daily assignments will be dropped.

Weekly homework assignments After each lecture a collection of homework problems will be assigned from the textbook. In recitation section, students will be required to present these problems at the board. Successfully presenting a solution will be rewarded with five points – missing recitation, declining to participate, or making insufficient progress will result in a zero. The lowest presentation grade will be dropped.

Additional Exercises Periodically, recitation sessions will involve in class exercises, group work, or project/labs that will be graded and count towards the homework total.
Grade Your final grade will be computed giving 25% weight to homework, 20% each to the midterm exams and 35% for the final exam. Final grades will be given according to the standard breakdown (94 for an A, 90 for an A-, 87 for a B+, etc). I reserve the right to shift these gradelines lower, but they will not be raised.
Academic Integrity You are bound by the Mason Honor Code and its policies related to Academic Integrity. Violations will be taken seriously.
Disability Services Students may be eligible for accommodations through the Office of Disability Services
Communication All email communication is to take place through your gmu email account.