

## Syllabus-Quantitative Reasoning -MATH 214-004-Fall 2018

**Instructor:** Thom Ales

**Email:** tales@masonlive.gmu.edu

**Office:** Exploratory 4310

**Office Hours:** T 6:00pm-8:00pm or by appointment

**Classroom:** Planetary Hall 224

**Class Time:** TR 8:45pm-10:00pm

**Teaching Assistant:** Yemeen Ayub

**Recitation:** R 7:20pm-8:10pm Planetary 224

**Text:** Elementary Differential Equations, 11th Edition, Boyce, DiPrima. ISBN-13: 9781119169741. We will cover approximately chapters 1-7.

**Course Description:** This course covers first-order ODEs, higher-order ODEs, Laplace transforms, linear systems, nonlinear systems, numerical approximations, and modeling.

**Homework:** There is no graded homework, though you should do the problems assigned at the end of each chapter.

**Quizzes:** A quiz will be given in each recitation. The quiz will cover material discussed in the two lectures prior to the day of the recitation. The quizzes will account for 15% of your final grade and scores are up to the discretion of the Teaching Assistant (unless you feel as though you are being treated unfairly, in which case I will meet with both you and the TA and make my own assessment).

**Exams:** There will be **three** exams given throughout the semester. They will be worth 20% of your final grade each.

**Final Exam:** There will be a cumulative final exam given on **Thursday, May 9th** from 7:30pm-10:15pm. The final exam will be worth 25% of your final grade.

**Grading:** Grading will be done on a standard 10 point scale.

**Attendance Policy:** There is no attendance policy, but **make up work will only be given in extreme circumstances as determined by the instructor**. If you miss class, any graded work from that day will be recorded as a 0.

**Additional Help:** The Math Tutoring Center, located in the Johnson Center, Room 344, offers help Sunday through Friday. Hours can be found online.

**Honor Code:** All students are bounded by the GMU honor code. Failure to comply could result in failure of the course.

**Office of Disability Service:** If you think you need certain accommodations to take this course, contact the Office of Disability Services and set that up with them.