

MAP 2302: Elementary Differential Equations

Summer B 2021

Section: 4787 (12134)

Instructor: Paul Schwartz, Little 473, paulschwartz@ufl.edu

Office Hours: Tuesday, Thursday, 10:40-11:30 on Zoom. Link provided on Canvas.

Course Meeting: MTWRF, 12:30-1:45 on Zoom. Link provided on Canvas.

Text: Fundamentals of Differential Equations and Boundary Value Problems

By R. Kent Nagle, Edward B. Saff and Arthur David Snider

Additional Resources: MyLab ebook.

Practice problems will be provided on Canvas to help the student prepare for quizzes and exams.

Course Description: First-order ordinary differential equations, theory of linear ordinary differential equations, solution of linear ordinary differential equations with constant coefficients, the Laplace transform and its application to solving linear ordinary differential equations.

Prerequisites: MAC 2312, MAC 2512 or MAC 3473 with a minimum grade of C.

MyLab and Mastering: Pearson MyLab and Mastering is required for the course. Homework, quizzes, and exams will administered through MyLab. Additionally, an ebook is available on MyLab which can be thought of as an additional resource.

Exams: Three exams will be given throughout the course, the dates of these exams are found on the calendar given below. No exam scores will be dropped. Each exam will account for 20 percent of the overall grade in the course.

Quizzes: Four quizzes will be given throughout the course. Each quiz will account for 5 percent of the overall grade in the course.

Homework: Homework problems will be assigned at conclusion of each section. These problems are meant to reinforce the methods discussed in lecture and help the student prepare for quizzes and exams.

The letter grade will be given as follows:

A 90%-100% C 70%-73%

A- 87%-89% C- 67%-69%

B+ 84%-86% D+ 64%-66%

B 80%-83% D 60%-63%

B- 77%-79% D- 57%-59%

C+ 74%-76% F 0-56%

Accommodations for students with learning disabilities: Students requesting classroom accommodation must register with the Dean of Students Office. The office will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

Academic Honesty: The course will be conducted in accord with the University honor code and academic honesty policy which can be found at www.dso.ufl.edu/sccr/honorcodes/honorcode.php. The Mathematics

Department expects you to follow the Student Honor Code. We are bound by university policy to report any instance of suspected cheating to the proper authorities. In addition, we remind you that lectures and the lecture notes given in this class are the property of the University/faculty member and may not be taped/shared without prior permission from the lecturer and may not be used for any commercial purpose. Students found to be in violation may be subject to discipline under the Student Conduct Code.

Makeup Exams: Makeups will be given only for school-sponsored activities (with documentation from supervisor), court-ordered appointments, medical or family emergencies, and religious holidays. Official documentation must be provided. If no documentation is provided, the final exam score will replace the missed exam score.