

[Home](#)
[Courses](#)
[MAP 2302–3731](#)
[Publications](#)
[Research](#)
[Previous Courses](#)
[MAP2302 \(Fall 2014\)](#)
[Curriculum Vitae](#)

Related Links

- › CLAS IT
- › College of Liberal Arts and Sciences
- › University of Florida

MAP 2302–3731

Time and Location

M W F Period 9 in Little Hall Room 113

Office Hours: M W F Period 8 in Little Hall Room 439

Textbook

Fundamentals of Differential Equations and Boundary Problems, Sixth Ed. by R. Kent Nagle, Edward B. Saff, and David Snider.

Description and Goals

Many problems, particularly those arising in science and engineering, are naturally stated in the language of differential equations. In this course, students will study solution techniques for ordinary differential equations (ODEs) and apply them to problems from the sciences. Broadly speaking, we will develop ad hoc solutions for special types of first order ODEs and general solution techniques for higher order linear ODEs including the method of Laplace Transforms and power series methods. This roughly corresponds to chapters 1,2,4,6,7, and 8 from the textbook with some omissions.

Homework

Suggested homework exercises will be given after covering each major topic and prior to each exam. Answers will not be collected, but the problems will be representative of exam material. Assignments will be repeated in this space when they are given in class. Starred problems are more difficult. Mastery of them indicates a solid grasp of the material.

Quizzes

Occasionally there will be unannounced quizzes which will consist of a single, simple problem from recently covered material. Quizzes count for a very small portion (4%) of the overall grade, but poor quiz scores should be taken as a sign to get assistance during office hours. There is no makeup opportunity if quizzes are missed, but the score will be omitted.

Final Grades

96% of your grade will come from four in-class exams (24% per exam). The final 4% comes from quizzes. A final exam may be taken to replace the score of one of the four exams.

Exam Schedule (Tentative)

The four regular exams will occur during normal class times. As we progress through the term, dates will appear here. Expect Exam I during the last week of January.

Grading Scale

A: 90-100, B:80-89, C: 70-79, D: 60-69 with the top and bottom two points from each reserved for plus and minus grades.

Course Policies

- Calculators or other electronic devices are prohibited during in class quizzes or exams.
- While attendance is not mandatory, there are **absolutely no exam makeups without verifiable documentation**. There are no quiz makeups at all.
- If you are requesting disability assistance, you must first register with the Dean of Students office (<https://www.dso.ufl.edu/drc>). They will provide you the proper documentation to present to me.

