



MAP 2302 (Section 3149)

Elementary Differential Equations

Time and Location

MWF Period 6 (12:50-13:40) LIT 205

Office hours

M3 W5 F7

Text

Nagle, Saff and Snider, *Fundamentals of Differential Equations*, Ninth Edition. If you wish to purchase the e-text, the publisher has provided instructions:

[UF All Access – E-Text – Student Instruction Document](#)

Topics

The basic material of the course will be drawn from Chapters 2, 3, 4, 7 of the text. However, we shall embellish this in a number of ways: we shall make the Laplace transform our tool of choice in the handling of constant-coefficient linear equations; we shall spend more time than is usual on nonlinear equations; and we shall include approaches to the standard elementary functions (such as exponential and trigonometric) as applications of the theory of differential equations. Though the course will include applications to the natural sciences, the primary focus will be mathematical.

Policies

Homework problems will be assigned and discussed in class, but will not be graded. Grades will be determined by performance on four equally-weighted in-class tests, according to the scale with thresholds A(90%) B(80%) C(70%) D(60%) and with +/- grades determined by +/-3% increments. For other matters of policy, please consult 'Policies plus' at the [Files page](#).

Tests (tentative)

#1) Jan 30

#2) Feb 20

#3) Mar 27

#4) Apr 24

Each test is scheduled for a Wednesday.

Homework



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