

MAP 2302 ELEMENTARY DIFFERENTIAL EQUATIONS

Summer A 2024

Instructor: Xiaochen Duan	Time: MTWRF 12:30 - 1:45 pm
Email: duanxiaochen@ufl.edu	Place: Little Hall 207

Course Pages:

1. <https://people.clas.ufl.edu/duanxiaochen/map-2302-summer-2024>

Office Hours: Thursday 2:00-4:45pm in LIT 429, or by appointment.

Main References: This is a restricted list of various interesting and useful books that will be touched during the course. You need to consult them occasionally.

- R. Kent Nagle, Edward B. Saff and Arthur David Snider, *Fundamentals of Differential Equations and Boundary Value Problems, 7th edition*, Pearson.
(You may use the previous edition and/or the version without boundary value problems if you prefer.)

Prerequisites: MAC 2312, and some of Calculus 3 backgrounds are recommended, but not necessary.

Tentative Course Outline:

- Introduction and first order differential equations (Chapter 1 and 2)
- Second order differential equations and power series solution (Chapter 4 and 8)
- Laplace transformation with differential equations (Chapter 7)

Grading Policy: Homework (25%), Midterm 1 (25%), Midterm 2 (25%), Midterm 3 (25%).

The letter grade will be awarded as follows:

Grade	A	A-	B+	B	B-	C+	C	C-	D+	D	D-	E
%	≥ 90	87-89	84-86	80-83	77-79	74-76	70-73	67-69	64-66	60-63	57-59	≤ 56

If you have a grade dispute, please resolve it with your instructor within a week of the exam date.

Important Dates:

Midterm #1 May 28, 2024
Midterm #2 June 10, 2024
Midterm #3 June 21, 2024

Accommodations for students with learning disabilities: Students with disabilities who experience learning barriers and would like to request academic accommodations should connect with the disability Resource Center by visiting <http://disability.ufl.edu/students/get-started>