

MAP 2302 SYLLABUS

Section	Period	Meeting Time	Room
0220	MWF 8th	3:00–3:50	LIT 201

Dr. F.G. Garvan

408 Little Hall

(352) 294-2305

fgarvan@ufl.edu

Office Hours

MWF 5th (11:45am – 12:35pm)

Also by appointment.

Prerequisites

Grade of C or better in

MAC 2312, MAC 2512 or MAC 3473.

Textbook

Fundamentals of Differential Equations and Boundary Value Problems, 6th Edition,
by R. Kent Nagle, Edward B. Saff and Arthur David Snider.

Course Description

MAP 2302 is a 3 credit course on linear Differential Equations.

Differential Equations are ubiquitous in the sciences and engineering. This course is designed to serve students in engineering, physics, mathematics and related areas with the aim of understanding qualitatively, applying, and solving ordinary differential equations of the most usual types.

We will cover much of Chapters 2, 4, 7 and some Chapter 8.

This includes First Order Equations (Linear, Exact, Bernoulli etc), second order equations and some applications to circuits and mechanics and Laplace transforms. Series solutions will be covered in Chapter 8.

If time and interest permits we may use some computer algebra package to solve and plot DEs.

Website:

people.clas.ufl.edu/fgarvan/map2302

Written Work and Participation

Some homework problems will be assigned and graded.

Quizzes

There will be short quizzes given throughout the semester.

EXAMS

EXAM 1: Friday, February 7

EXAM 2: Friday, March 21

EXAM 3: Monday, April 21

MAKE-UP EXAMS: Wednesday, April 30, 3:00 – 4:00pm

Grade:

Grade is based on Exams, Quizzes and Homework.

25% of grade is based on Quizzes and

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The remaining 75% is based on the three exams.

Grading scale: A 90%; A- 87%; B+ 83%; B 80%; etc.

Attendance:

Except for the exams and quizzes, attendance, while recommended, is not required.

University of Florida Policies

The course will be conducted in accord with the

University honor code and Academic Honesty Guidelines

Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation. See Disability Resources