

MATH 328 – Ordinary Differential Equations – Spring 2020

Instructor: Dr. Scott Hyman
with the assistance of Dr. Marc Ordower
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Office hours: Monday 2:00 - 3:00
Tuesday 10:50 - 12:00
Wednesday 2:00 - 3:00
Thursday 10:50 - 12:00

And by appointment

Text: *Elementary Differential Equations, Ninth Edition* by Boyce and DiPrima

Catalog Description: Topics include separation of variables, first and second order linear equations, numerical methods, Laplace transforms, and systems of equations. Applications to the physical and biological sciences are emphasized.

Course Objectives: The student will learn techniques to solve certain differential equations. She will also develop facility at using differential equations to model situations in the physical and biological world.

Help: I urge you to ask questions in class. In so doing, you will help yourself and your classmates. I also hope to see many of you at office hours over the course of the term. Don't forget that you can make an appointment if you can't make my regularly scheduled office hours.

Web Page: Homework assignments, review sheets, and general course information will be posted on my web site:

<http://faculty.randolphcollege.edu/mordower/math328/Math328.htm>

Grading: Your grade will be determined according to the following scheme.

Midterm I	Midterm II	Homework	Final Exam
20 %	20%	30%	30%

Midterms: The tentative dates for the midterm exams are as follows:

Midterm Exam I - Wednesday, February 19
Midterm Exam II - Wednesday, April 1

Academic Honesty: The honor code protects our academic community and the value of a degree from Sweet Briar College. It goes without saying that you should never pass off someone else's work as your own.

I encourage you to work and study together. It can be an effective way to learn mathematics. The admonition to work alone covers homework pledge problems and exam problems only. Feel free to discuss any other problems from any other sources. If you are not certain whether or not something is allowed, please ask.

Homework: Parts of assignments will be completed electronically, and other parts will be completed on paper. Paper assignments should be neat, well organized, and multiple pages must be stapled.

Tentative Schedule:

Week of	Chapter
January 20	Review, 1
January 27	2
February 3	2
February 10	2,3
February 17	3, Midterm I
February 24	3
March 2	2.6, 3, 4
March 9	SPRING BREAK
March 16	4
March 23	4, 5
March 30	6
April 6	6, Midterm II
April 13	6, 7