

**NSC 123
DIFFERENTIAL EQUATIONS
SPRING 2018**

Credits: 4

Level: Intermediate

Class time and room: TTh 11:30 – 12:50 Sci 221

Instructor: Kaethe Minden, kminden@marlboro.edu

Course webpage: TBD

Text: Nagle, Saff, and Snider. *Fundamentals of Differential Equations*, 7th Edition.

Blurb: Differential equations is the mathematics of changing systems. It has wide-ranging applications, including biology, physics, and economics. This course is an introduction to ordinary differential equations, with an emphasis on finding and applying techniques to solve first-order and linear higher-order differential equations.

I expect everyone to read sections of the book we will be working on before class. Then class time can be spent answering questions from the reading, and/or problem solving.

This is a four credit course. This means you should be expecting to spend about 12 hours each week, including class time, working on the material.

Grading: I will assign regular homework each week, but the grade will solely be based on your performance on your best 3 out of 4 quizzes, which will be given every two weeks, and the final exam, which will be scheduled by the college. Your quiz average will be 70% and the final exam will be worth 30% of the overall average. If attendance and class participation become a problem I will bump down your grade one letter grade.

What now: Obtain a copy of the book if you haven't done so already, and start working on the first homework assignment, §1.1 #1–16. We will cover §1.2 next time.