



## MAP 4305/5304 – Intermediate Differential Equations – Spring 2017

Instructor: Dr. Richard Crew  
Office: 404 Little Hall  
Office Hours: MF4, W6  
Classroom and meeting time: FAB 103, MWF7

### Course Description

This course is the sequel to MAP 2302, the Math Department's introductory course in differential equations. The text is the 8th edition of Nagle, Saff and Snider's *Fundamentals of Differential Equations*. We will cover chapters 8, 9 and 10. Topics include: series solutions of equations with variable coefficients, the theory of linear systems, and partial differential equations.

### Prerequisites

Multivariable calculus (MAC 2313) and Elementary Differential equations (MAP 2302) are required. A course in linear algebra (MAS 3114 or MAS 4105) would be helpful, but we will cover the necessary material from scratch.

### Course Format and Grading

The final course grade will be determined from homework sets and 3 midterm exams. Each exam will count for 25% of the final grade, and the homework total for the remaining 25%. Late submission of a homework set will result in a 50% penalty, and no homework will be accepted if it is more than three days late.

Final letter grades for the course as follows: A, 90% or above; B, 80-89%; C, 65-79%; D, 50-64%; E below 50%. These percentages may be modified after the second midterm exam.

Tentative exam dates: February 3, March 17, April 19. The homework schedule will appear below.

### Course Policies

You will want to be familiar with the University of Florida's

**Academic Honesty Guidelines.** Accommodations for students with disabilities should be made through the office of the Dean of Students.

There is no official attendance requirement for this class. If you miss a class, it is your responsibility to find out what happened, and whether any announcements were made. Except in the case of documented medical emergencies, makeup tests will *only* be given if they are arranged in advance with the instructor. Most cases will require a valid medical excuse.