MAP 4305/5304 – Intermediate Differential Equations – Spring 2017

Instructor: Dr. Richard Crew
Office: 404 Little Hall
Office Hours: MF 4, W 6
Classroom and meeting time: FAB 103, MWF 7

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.