



Instructor: Dr. Richard Crew
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This course is the sequel to MAP 2302, the Math Department's introductory course in differential equations. The text is the latest 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.

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.

The course will be in traditional lecture format. All material will be graded by Mr. Li, and you should go to him with questions about the grading of your work.

The final course grade will be determined from 3 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 two days late.

Final letter grades for the course as follows: A, 85% or above; B, 70-84%; C, 60-69%; D, 50-59%; E below 50%. These percentages may be modified after the second midterm exam.

Tentative exam dates: May 19, June 2, June 16. The homework schedule will appear below.

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. You should be warned that not all the material in the lectures can be found in the text. 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.

