

MATH 211 Ordinary Differential Equations
Fall 2012, Qiongling Li

Warning: This syllabus is not in final version, there will be some changes in the future.

Contact: Hermann Brown Basement, Email: ql4@rice.edu

Class: MWF 11:00 - 11:50 am, 08/20-11/30, GRB W211

Textbook*: Differential Equations, 2nd ed. by Polking, Boggess and Arnold

Office Hours: TBD.

Course Outline: In this course we will cover some first and second order ordinary differential equation, classifications, methods of solving, and some applications. We also will study linear algebra (e.g., vector spaces, dimension, eigenvalues and eigenvectors), and the application of linear algebra to first-order systems of differential equations. Chapters: 2, 4, 7, 8, 9.

Grading: Grades will be based primarily on homeworks and exams.

Homeworks: 10%
Midterm Exam I: 25%
Midterm Exam II: 25%
Final Exam: 40%

Exams: There will be two midterm exams not in class and one final exam. If you know you will miss an exam, notify me as soon as possible before the exam, so that we can make alternate arrangements.

Homework: Homework will be assigned regularly. Late homework assignments will not be accepted for any reason. Homework assignments are not pledged- you are encouraged to discuss these problems amongst each other, but the final write-up must be your own.

Disability Support: It is the policy of Rice University that any student with a disability receive fair and equal treatment in this course. If you have a documented disability that requires academic adjustments or accommodation, please speak with me during the first week of class. All discussions will remain confidential. Students with disabilities will also need to contact Disability Support Services in the Ley Student Center.

Important Dates:

First Class Aug 20th(Monday)
Midterm I Sep 25th(Tuesday)
Midterm II Nov 13rd(Tuesday)
Final Exam TBD

*Website: <http://www.amazon.com/Differential-Equations-2nd-John-Polking/dp/0131437380>