

**MATH 211 Ordinary Differential Equations**  
**Summer 2012, Qiongling Li**

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**Contact:** Hermann Brown Basement 14, Phone:(281)704-7721, Email: ql4@rice.edu

**Class:** MTWRF 1:00 - 4:00 pm, May 15th-June 1st, 2012

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

**Office Hours:** MWF 4:00-5:00 pm and by appointment.

**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: 20%  
Midterm Exam I: 25%  
Midterm Exam II: 25%  
Final Exam: 30%

**Exams:** There will be two in-class exams 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, and collected before the class on each Monday, Wednesday and Friday(except for the final day of this class, so there will be 7 Homework sets in total). 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 condential. Students with disabilities will also need to contact Disability Support Services in the Ley Student Center.

**Important Dates:**

First Class ..... May 15th(Tuesday)  
Midterm I ..... May 21st(Monday)  
Midterm II ..... May 28th(Monday)  
Final Exam ..... June 1st(Friday)

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