Overview: The course will cover the rudiments of ordinary differential equations. We will discuss classifications, first and second order equations, and methods for solving them. We will also delve into basic linear algebra—vector spaces, linear transformations, linear independence, determinants, eigenvalues and eigenvectors—and its application to solving first order systems of equations. Chapters: 2, 4, 7, 8, 9.

Homework: Homework will be assigned every class and collected the next class period. No late homework is accepted unless you are granted an extension in case of sickness or emergencies (notify me immediately); one lowest homework score is dropped. I recommend doing homework together to exchange ideas and methods (and it is more fun), but you must write and understand your own solution. No copying, please!

Exams: There will be two midterm exams and one final exam. All will take place in our standard classroom, HBH 423.
Exam 1: Tuesday, June 11, 7-9 pm
Exam 2: Thursday, June 20, 7-9 pm
Final Exam: Friday, June 28, 7-9 pm.

Exam Policy: No exam may be given early to accommodate student travel plans. If you will miss an exam, you must let me know ahead of time and schedule a time to take the makeup exam. Failure to schedule a makeup exam at least one day before the scheduled exam date will result in a 0 for that exam.

Grading:
15% Homework
25% Midterm 1
25% Midterm 2
35% Final

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.

Resources: http://owlspace.rice.edu - Here you can find all homework assignments and some additional information.

Submitting homework assignments: You can submit homework assignments in class or bring them to my office HB 36 and slide under the door (no need to knock). Please do not wait until the last moment and submit your homework promptly.

Guidelines for homework assignments:
• print your name clearly in the top right corner of the first page;
• below the name put the assignment number (e.g., HWK 3);
• write the assigned sections and list the assigned problems;
• circle, box or highlight all the problem numbers and answers;
• always show your work to get full credit;
• all problems should follow the same order as in the textbook;
• staple all the pages together in the right order;
• before submission check again that the assignment has your name on it.