Instructor: Dr. Georgi Medvedev, Korman 265, ext. 6612, medvedev@drexel.edu
Lectures: TR 2-3:50, Curtis Hall 452
Office hours: Tue 4:00-5:00 or by appointment
Course webpage: www.math.drexel.edu/~medvedev/classes/winter/math210
will contain homework assignments, announcements, and supplementary materials.

Description and objectives: Differential equations are used to model various phenomena that arise in the sciences and engineering. The theory of differential equations is a fundamental mathematical discipline with a wide range of applications to other branches of mathematics and other sciences. The goal of the course is to introduce students to analytical, numerical, and qualitative methods for studying differential equations, as well as to the principles underlying modeling using differential equations.

Prerequisites: MATH 200, 201. If you do not have the prerequisites for this course please contact the instructor as soon as possible


Content: The course will cover Chapters 1-5.

Homework: Homework problems will be assigned in class and will be posted on the course website. Selected problems from each set will be graded.

Solutions to the homework problems should be presented in the order the problems were assigned. Every solution should be given a concise but sufficient explanation and written up legibly. The set of solutions for each homework should be stapled.

The problems assigned during each week are due Thursday of the following week in class. Each student will be allowed to have at most one late homework assignment during the term. The one late homework will be accepted up to seven days after the due date, with or without excuse, and without penalty. No other late homeworks will be accepted.

Students are encouraged to discuss the homework and to work together on the problems. However, each student is responsible for the final preparation of his or her own homework papers. Copying of another student’s homework is not permitted.

Examinations: There will be two midterm and one final examinations. The dates will be announced in advance. There will be no makeup exams unless you have exceptional circumstances, which prevented you from taking exam in class. In this case, you should contact me at least one day before the exam.

Assessment: Your final grade will be based on your performance on the homework projects (20%), midterm 1 (20%), midterm 2 (30%) and final exam (30%).
Problem resolution: Please come to see me if you have any course related problems. The best way to get in touch with me is by email. If you would like to make an appointment please send me an email with your time constraints and preferences. Also, feel free to stop by, but if I am busy I will ask you to come back later.