Course Objective

Our objective this quarter is to learn how to classify and solve a number of ordinary differential equations, as well as to model certain physical phenomena with them. The only prerequisites for this course are good calculus skills and an appreciation for the fruits of hard labor.

Methodology

Our high ambitions will necessitate various vehicles for progress.

1. Discussion. Class time will be spent discussing and working on mathematics. Your engagement in the discourse is vital. You may be called upon to offer your thoughts. You will get out of this class only what you put in.

2. Homework. Homework is assigned on Fridays and due the subsequent Friday. Ours is a beautiful and powerful subject, but there is a cost in sweat and tears to sharing in its delights. Immerse yourself in your work, be patient and persistent in your efforts, and do not settle for a passing acquaintance. Your rewards shall be myriad.

3. Quizzes. There will be an in-class quiz every Friday except exam days.

4. Examination. There will be two midterms and a final exam at the end of the quarter.

5. Query. Two students will be drawn randomly for a daily query at the beginning of each class.

Grading Policy

The midterms will each count 20%, the final will count 25%, the homework and quizzes will each count 15%, and the query will count 5%. 
Office Hours

Our in-class discussions will likely be the proverbial “tip of the iceberg.” To facilitate sustained mathematical discussion, there will be additional times to meet throughout the week.

- M 10:30-12:00.
- T 10:10-11:00 & 2:30-4:00.
- R 10:10-11:00.
- By appointment.

Exam Dates

- **Midterm**: Friday, January 27th, in class.
- **Midterm**: Friday, February 17th, in class.
- **Final Exam**: Wednesday, March 14th, 1:10pm-4:00pm.

Academic Integrity

It is my opinion that there is hardly any human act more satisfying or important than the sharing of knowledge. I therefore consider the classroom and the university at large to be hallowed ground, well deserving of all the humility and respect that we would afford our other most sacred places.

Please refer to the University’s policy on cheating and plagiarism found in the Campus Administration Manual, Section 684.

In short: be sensible, respectful and mindful of the integrity of the system we are all so lucky to share.