

Math 230 Ordinary Differential Equations

TTh 2:30pm - 3:45pm, 203 Torrey

Textbook: Elementary Differential Equations (9th edition), by Boyce and Diprima.

Instructor: Prof. Jianke (Jackie) Yang
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Office hours: TTh 1:30pm - 2:30pm. Additional time by appointment.

Homework: homework problems will be given in each class, but not collected. If you have any questions on the homework problems, you can ask me in class, and we will go over them. Exam questions will be based on homework problems.

Exams: There will be two in-class exams and a final exam.

Grading: in-class exams: 33% each; final exam: 34%.

Topics: (we pretty much cover Chaps. 1-7 of the textbook)

1. Introduction
2. First order differential equations
3. Second order linear equations
4. Higher order linear equations
5. The Laplace transform
6. Systems of first order linear equations
7. Series solutions of second order linear equations (if time allows)