

Math 2065 (Fall 2004)

Elementary Differential Equations

Lectures: MWF 9:40-10:30 (Section 1) in 226 Tureaud Hall

Instructor: Shijun Zheng

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Office hours: 2-3:00 M and W, or by appointment

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Course website: <http://www.math.lsu.edu/~szheng/teach2/2065.html>

Prerequisite: Math 152. Credit will be given for only one of the following: Math 2065, 2070, 2090.

Text: W. Adkins and M. Davidson, *Ordinary Differential Equations* (2004)

Syllabus. We will cover most of Chapters 1-6 in the text. This is an introductory course in ordinary differential equations with emphasis on linear differential equations. A nuance of the present course is an early introduction of the Laplace transform into the theory, and then subsequently using the Laplace transform to extract much of the basic information about constant coefficient linear ODE in an expedited manner.

Grading. The weighting in your course score points (650 possible) will be

200	Final exam
100 each	Three hour exams (including one midterm)
150	Quizzes/homework

(Point totals will be normalized to these relative weights).

Course Grades. Your grade will be based on a point total.

A: 90% or above. B: 80-89%. C: 70-79%. D: 60-69%. F: 59% or below.

Make-ups. Makeups for exams will be given only in extreme circumstances in accordance with official University policy. Except for unforeseeable events, requests for a makeup must be made before the exam is given.

****If you know BEFORE an exam that you have a conflict, contact me in advance. In this case, it is sometimes possible to arrange an early exam.****

Philosophy. Real learning requires your active involvement. Practice on solving the homework problems is strongly recommended. The result in a test usually reflects how much effort you have put into the homework assignment as well as class learning, and how well you have prepared for it.

Math Tutoring. 9:30–5:30, Monday-Thursday. 9:30–3:00, Friday.
Location: 39 Allen Hall