

Math 2065 Section 1
Elementary Differential Equations
Spring 2010
MWF 12:40 - 1:30 Lockett 285

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Office Hours: 10:40 - 11:30 A.M. MWF
Other times by appointment

Text

Ordinary Differential Equations by W.A. Adkins and M. G. Davidson. In addition to the text, an optional solution manual is available.

Syllabus

This is an introductory course in ordinary differential equations with a particular 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 ordinary differential equations in an expedited manner. We will cover most (but not all sections) of the text.

Examinations

There will be 3 in-class exams and a 2-hour final examination. Exam dates are:

| | |
|------------|---------------------------------------|
| Exam I | February 19 |
| Exam II | March 22 |
| Exam III | April 30 |
| Final Exam | May 12 (Wednesday) 10:00 – 12:00 Noon |

Grade

Each in-class hour exam is worth 100 points and the final exam is worth 150 points for a total possible of 450 points. Each exam and the final exam are individually curved and the dividing points between letter grades on each exam are added to get dividing points for the cumulative grade. The dividing points between letter grades for the total points will not be *higher* than:

| | |
|---|-----|
| A | 405 |
| B | 360 |
| C | 315 |
| D | 270 |

Past experience indicates that the actual dividing points will be somewhat lower than these.

Homework

Homework is assigned daily, but it is not collected or graded. Doing the homework exercises as they are assigned, and seeking help (preferably from me) for those that give you difficulty, is the best strategy for a successful completion of the course. The homework assignments and any supplemental materials for the course will be posted at <http://www.math.lsu.edu/~adkins/m2065.html>. *You should check this website regularly for the assignments and any supplemental materials.*