

MATH 2065-1: Elementary Differential Equations**Time:** Tuesday and Thursday 12:10–1:30**Room:** Lockett 138**Prerequisite**

Math 1552

Textbook

W. A. Adkins and M. G. Davidson: Ordinary Differential Equations. (To be published by Springer. The August 20, 2007 printing can be purchased at *Kinko*, State Street. The previous printing cannot be used.)

Coverage

The following chapters from the textbook will be covered.

1. Introduction
2. First order differential equations
3. The Laplace transform (except 3.5)
4. Linear constant coefficient differential equations
6. Second order linear differential equations
8. Laplace transform II (the first six sections)
10. Systems of differential equations (10.1, 10.2, 10.4)

Grading

Homework		100	pts
Three 100 pt exams		300	pts
Final exam		200	pts
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Total score		600	pts
Tentative scale	A	510–600	
	B	450–509	
	C	390–449	
	D	330–389	
	F	below 330	

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