MATHEMATICS 225

INTRODUCTION TO DIFFERENTIAL EQUATIONS

Winter

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TEXT:

Zill, A First Course in Differential Equations with Applications, 7th Edition,
Brooks/Cole, 2000.

OUTLINE:

	SECTIONS
Chapter 1: Introduction to Differential Equations.	1.1 - 1.3
Chapter 2: First Order Differential Equations.	2.1 - 2.4
Chapter 3: Modeling with First Order Equations.	3.1 - 3.2
Chapter 4: Differential Equations of Higher Order.	4.1 - 4.9
Chapter 5: Modeling with Second Order Differential Equations.	5.1.1 - 5.1.3
Chapter 6: Series Solutions of Linear Equations.	6.1 - 6.4
Chapter 7: Laplace Transforms.	7.1 - 7.6

EVALUATION:

The final grades in the course will be determined from marks on the assignments, on Maple Labs, on the midterms, and on the final exam.

Assignments	20%
Maple Labs	10%
Midterm	20%
Final Exam	50%*

*The final can be counted as 100% if the final mark exceeds the term mark.
This, however, is only an option if all of the term work has been satisfactorily completed.

Grade scale:	F	D	C	$C+$	$B-$	B	$B+$	$A-$	A	$A+$
	$[0,50)$	$[50,60)$	$[60,65)$	$[65,70)$	$[70,75)$	$[75,80)$	$[80,85)$	$[85,90)$	$[90,95)$	$[95,100]$