

# Applied Differential Equations 2250

## Spring Semester 2001

Name: \_\_\_\_\_

phone: \_\_\_\_\_

email \_\_\_\_\_

Grade by email (Y/N)? \_\_\_\_

Midterm [March 21]

Semester Project [April 20]

Average of daily work and labs 1,2,3:

Average of midterm and semester project:

Final Grade:

Questions: 581-6879, Email: gustafson@math.utah.edu, Office: 113 JWB.  
Answering machine after two rings when out of the office.

### Chapter 1

Page 17, 1.2: 1 , 2 ,

5 , 8 , 10

Page 26, 1.3: 11 , 15 ,

31

Page 40, 1.4: 1 , 5 ,

11 , 17 , 19 , 27

Page 53, 1.5: 3 , 5 ,

11 , 33

Page 69, 1.6: 3 , 5 ,

9 , 31 , 35 , 41

### Chapter 2

Page 84, 2.1: 3 , 13 ,

28

Page 93, 2.2: 3 , 9

Page 103, 2.3: 9 , 27 ,

27

Page 113, 2.4: 5 , 15

Page 124, 2.5: 5 , 15

Page 135, 2.6: 5 , 15

### Chapter 3

Page 149, 3.1: 7 , 13 ,

29

Page 160, 3.2: 9 , 21 ,

25

Page 169, 3.3: 13 , 19

Page 181, 3.4: 19 , 27 ,

33 , 43

Page 195, 3.5: 21 , 27 ,

34

Page 213, 3.6: 3 , 19 ,

29 , 37 , 51

### Chapter 4

Page 237, 4.1: 3 , 11 ,

17 , 23

Page 245, 4.2: 17 , 29

Page 253, 4.3: 15 , 17 ,

25

Page 261, 4.4: 9 , 21

Page 270, 4.5: 17 , 21 ,

23

## Chapter 5

Page 284, 5.1: 9 , 35 ,  
37 , 39 , 43 , 47   
Page 297, 5.2: 13 , 21   
Page 310, 5.3: 3 , 5 ,  
9 , 23 , 29   
Page 320, 5.4: 3 , 17   
Page 336, 5.5: 5 , 7 ,  
11 , 19 , 35 , 47 ,  
53   
Page 348, 5.6: 3 , 9 ,  
15

## Chapter 6

6.1: 9 , 21 , 29   
6.2: 11 , 17 , 25 ,  
32

## Chapter 7

7.1: 7 , 15 , 24   
7.2: 5 , 17   
7.3: 9 , 19 , 27   
7.4: 3 , 9

## Chapter 10

10.1: 5 , 17 , 25 ,  
29   
10.2: 7 , 11 , 21   
10.3: 3 , 7 , 19 ,  
29   
10.4: 17 , 23 , 33   
10.5: 5 , 15 , 33

## Maple Labs

To enter a score of 85 for a lab,  
repeat 85 once for each box.

**Lab 1** [Jan 31] , , ,  
, ,

**Lab 2** [Mar 30] , , ,  
, ,

**Lab 3** [Apr 16] , , ,  
, ,

## Semester Project Problems

Chapter 1 Review, page 74: 11 ,  
18 , 24 , 29 , 33

Chapter 2: 2.1-29 , 2.2-10 ,  
2.3-4 , 2.4-10 , 2.5-10 ,  
2.6-10

Chapter 3: 3.1-34 , 3.2-28 ,  
3.3-18 , 3.4-38 , 3.5-22 ,  
3.6-20 , 3.6-30

Chapter 4: 4.1-27 , 4.2-18 ,  
4.3-26 , 4.4-22 , 4.5-22

Chapter 5: 5.2-23 , 5.3-21 ,  
5.4-19 , 5.5-33 , 5.5-51 ,  
5.6-17

Chapter 6: 6.1-25

Chapter 7: 7.3-23

Chapter 10: 10.2-15 , 10.3-31