

Differential Equations and Linear Algebra

Math 2250 Fall Semester 2004

Name: _____

Class time: _____

email: _____

Telephone: _____

Midterm 1 [Sep 27] $AV = \square$, Scores _____

Midterm 2 [Oct 25] $AV = \square$, Scores _____

Midterm 3 [Nov 29] $AV = \square$, Scores _____

Final [Dec 13-14] $AV = \square$, Scores _____

Average of Midterms and Final: $AV_1 = \square$

Average of daily work and maple labs: $AV_2 = \square$

Final Grade: $\frac{70}{100}AV_1 + \frac{30}{100}AV_2 = \square$

Questions: 581-6879, Email: gustafson@math.utah.edu, Office: 113 JWB.

Maple Labs (18 boxes)

Use a cover sheet on each package.

Save paper with a small figure size.

Edit the output. Notes in pencil.

Lab 1a [Sep 13] Intro maple

1.1 , 1.2

Lab 1b [Sep 24] Newton Cooling

1.3 , 1.4 , 1.5 , 1.6

Lab 2a [Oct 27] Matrix Algebra

2.1 , 2.2 , 2.3 , 2.4

Lab 2b [Nov 10] Mechanical

Oscillations

2.5 , 2.6

Lab 3a [Dec 1] Earthquake I

3.1 , 3.2 , 3.3

Lab 3b [Dec 6] Earthquake II

3.4 , 3.5 , 3.6

Chapter 1 (15 boxes)

Page 16, 1.2: 2 , 6 ,
8 , 10

Page 26, 1.3: 10 , 16

Page 41, 1.4: 6 , 10 ,
16 , 18 , 24

Page 54, 1.5: 10 , 16 ,
24 , 36

Chapter 2 (18 boxes)

Page 86, 2.1: 6 , 16

Page 96, 2.2: 10 , 18

Page 106, 2.3: 20 , 22

Double credit for 2.4, 2.5, 2.6

Page 119, 2.4: 10

Page 129, 2.5: 10

Page 139, 2.6: 10

Page 119, 2.4: 12

Page 129, 2.5: 12

Page 139, 2.6: 12

Chapter 3 (20 boxes)Page 152, 3.1: 8 , 18 ,
28 Page 162, 3.2: 10 , 16 ,
26 Page 170, 3.3: 12 , 18 Page 182, 3.4: 22 , 26 ,
38 , 40 Page 194, 3.5: 18 , 28 ,
34 Page 212, 3.6: 6 , 18 ,
30 , 38 , 60 **Chapter 4** (18 boxes)Page 233, 4.1: 18 , 24 ,
32 Page 240, 4.2: 6 , 16 ,
24 Page 248, 4.3: 20 , 24 Page 255, 4.4: 8 , 22 Page 263, 4.5: 10 , 22 ,
26 Page 271, 4.6: 4 , 18 Page 278, 4.7: 10 , 22 ,
24 **Chapter 5** (22 boxes)Page 294, 5.1: 34 , 38 ,
40 , 42 ,44 , 48 Page 306, 5.2: 16 , 24 Page 319, 5.3: 4 , 8 ,
10 , 30 Page 331, 5.4: 18 , 34 Page 346, 5.5: 2 , 10 ,
22 , 52 , 60 Page 357, 5.6: 2 , 10 ,
16 **Chapter 6** (6 boxes)Page 370, 6.1: 10 , 22 ,
32 Page 379, 6.2: 8 , 20 ,
26 **Chapter 7** (8 boxes)Page 400, 7.1: 10 , 18 Page 413, 7.2: 8 , 16 Page 425, 7.3: 6 , 18 ,
28 Page 438, 7.4: 4 **Chapter 10** (11 boxes)Page 576, 10.1: 16 , 18 ,
30 Page 588, 10.2: 10 , 12 ,
20 Page 597, 10.3: 6 , 14 ,
20 , 38 Page 606, 10.4: 20

Policy on Dailies: The highest 128 boxes will be counted. The lowest 8 of the 136 boxes will be dropped. Any record with less than 75 daily and lab scores earns a grade of **E**, regardless of midterm and final exam scores. Deadlines set at web site www.math.utah.edu/~gustafso/. Work not in the stack sent to the assistant is late and it earns a grade of zero. **Policy on Exams:** The final exam is doubled before determining the exam average, to count like two midterms. **Grading Scale:** A = 95-100, A- = 92-94, B+ = 88-91, B = 84-87, B- = 80-83, C+ = 75-79, C = 65-74, C- = 60-64.