

Differential Equations and Linear Algebra 2250

Grade Sheet with Due Dates and Lectures Fall 2007

Midterm 1 [Sep 25]	Av1=	<input type="checkbox"/>
Midterm 2 [Oct 30]	Av2=	<input type="checkbox"/>
Midterm 3 [Nov 27]	Av3=	<input type="checkbox"/>
Final Exam [Dec 13-14]	AvFin=	<input type="checkbox"/>
Average of dailies including maple labs:	AvDaily=	<input type="checkbox"/>
Final Grade: $\frac{70}{100} \left(\frac{Av1+Av2+Av3+AvFin+AvFin}{5} \right) + \frac{30}{100} AvDaily =$		<input type="checkbox"/>

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

Lecture Week 1, Aug 20,22,24

Sections 1.1,1.2,1.3.

20 Aug, Intro, GB Gustafson, nothing due.
21 Aug, Intro, Tuesday graduate assistants.
22 Aug, Page 16, 1.2: 2 ,
24 Aug, Page 16, 1.2: 4 , 6

Lecture Week 2, Aug 27,29,31

Sections 1.4,1.5.

27 Aug, Begin maple lab 1.
27 Aug, Page 16, 1.2: 10
28 Aug, Discuss maple lab 1. Questions ch1.
29 Aug, Page 26, 1.3: 8
29 Aug, First maple intro, LCB115.
30 Aug, Repeat maple intro, LCB115.
31 Aug, Page 26, 1.3: 14
31 Aug, Repeat maple intro, LCB115.

Lecture Week 3, Sep 3,5,7

Sections 2.1,2.2,2.3,2.4.

03 Sep, Page 41, 1.4: 6 , 12
04 Sep, Discuss L2.1. Questions ch1.
05 Sep, Page 41, 1.4: 18 , 22 ,
26
07 Sep, Page 54, 1.5: 8 , 18 ,
20 , 34

Lecture Week 4, Sep 10,12,14

Sections 2.5,2.6,3.1.

10 Sep, Page 86, 2.1: 8 , 16
11 Sep, Discuss L2.2, L3.1 and L4.1
12 Sep, Page 96, 2.2: 10 , 14
14 Sep, Submit Maple Intro:
L1.1 , L1.2

Lecture Week 5, Sep 17,19,21

Sections 3.2,3.3,3.4.

17 Sep, Page 106, 2.3: 10 , 20
18 Sep, Exam 1 review, problems 1,2.
18 Sep, Discuss L2.3.
19 Sep, Page 152, 3.1: 6 , 16 ,
26
21 Sep, Page 162, 3.2: 10 , 14 ,
24

Lecture Week 6, Sep 24,26,28

Sections 3.5,3.6.

24 Sep, Newton Cooling L2.1
24 Sep, symbolic sol L3.1 , L4.1
25 Sep, Midterm 1, 5 problems.
26 Sep, Page 170, 3.3: 10 , 20
28 Sep, Page 182, 3.4: 20

Lecture Week 7, Oct 1,3,5

Sections 4.1,4.2,4.3.

- 01 Oct, Page 182, 3.4: 30 , 34 ,
40
02 Oct, Ch3 problem session in lab.
02 Oct, Discuss maple L3.2, L3.3, L3.4.
03 Oct, Page 194, 3.5: 16 , 26 ,
44
05 Oct, No dailies due.

Lecture Spring Break: Oct 8-12

Happy Holiday!

8-12 Oct, Traveling? Nothing due from 4 to
15 Oct. Substantial amounts of dailies and
maple projects are due after the break.

Lecture Week 8, Oct 15,17,19

Sections 4.4,4.5,4.6,4.7.

- 15 Oct, Dailies collected in lab Oct 16.
16 Oct, Submit Newton Cooling
L2.2 , L2.3 , L2.4
16 Oct, Ch3 and Ch4 problem session.
16 Oct, Discuss maple L4.2, L4.3, L4.4.
17 Oct, Page 212, 3.6: 6 , 20 ,
32 , 40 , 60
19 Oct, Page 233, 4.1: 16 , 20 ,
32

Lecture Week 9, Oct 22,24,26

Sections 5.1,5.2,5.3,5.4.

- 22 Oct, Page 240, 4.2: 4 , 18 ,
28
23 Oct, Exam 2 review.
24 Oct, Page 248, 4.3: 18 , 24
26 Oct, Page 255, 4.4: 6 , 24
26 Oct, Page 263, 4.5: 6

Lecture Week 10, Oct 29,31, Nov 2

Sections 5.5,5.6.

- 29 Oct, Exam review continued.
29 Oct, Submit maple L3 (L3.1 was 24 Sep):
L3.2 , L3.3 , L3.4
30 Oct, Midterm 2, 5 problems.
31 Oct, Page 263, 4.5: 24 , 28
31 Oct, Page 271, 4.6: 2
02 Nov, Page 278, 4.7: 10 , 20 ,
26

Lecture Week 11, Nov 5,7,9

Sections 6.1,6.2,7.1,7.2.

- 05 Nov, Submit maple L4 (L4.1 was 24 Sep):
L4.2 , L4.3 , L4.4
05 Nov, Page 294, 5.1:
34 , 36 , 38 , 40 ,
42 , 46 , 48
06 Nov, Discuss maple L5.1, L5.2, L5.3.
07 Nov, Page 306, 5.2: 18 , 22
07 Nov, Page 319, 5.3: 8 , 10
09 Nov, Page 319, 5.3: 16 , 32

Lecture Week 12, Nov 12,14,16

Sections 7.3,7.4,10.1.

- 12 Nov, Page 331, 5.4: 20 , 34
12 Nov, Submit maple Matrix Algebra,
L5.1 , L5.2 , L5.3
13 Nov, Exam 3 review.
Discuss maple L6.1, L6.2, L6.3.
14 Nov, Page 346, 5.5: 6 , 12 ,
22 , 54 , 58
16 Nov, Page 357, 5.6: 4 , 8 ,
18

Lecture Week 13, Nov 19,21

Sections 10.2,10.3.

19 Nov, Traveling?

Then submit 7.1,7.2 on 19-20 Nov.

19 Nov, Page 370, 6.1: 12 , 20 ,
32 , 36

19 Nov, Page 379, 6.2: 6 , 18 ,
28

20 Nov, Exam 3 review.

21 Nov, Page 400, 7.1: 8 , 20

21 Nov, Page 413, 7.2: 12 , 14

23 Nov, Thanksgiving Holiday

Happy holiday!

Lecture Week 14, Nov 26,28,30

Section 10.4.

26 Nov, Continue Midterm 3 review.

26 Nov, No dailies due.

27 Nov, Midterm 3, 5 problems

28 Nov, Page 425, 7.3:
8 , 20 , 30

28 Nov, Page 438, 7.4: 6

30 Nov, Page 576, 10.1:
18 , 28

30 Nov, Page 588, 10.2:
10 , 16 , 24

Lecture Week 15, Dec 3,5,7

Laplace. Final exam review.

03 Dec, Submit maple Mech. Osc.

L6.1 , L6.2 , L6.3

05 Dec, Page 597, 10.3: 6 , 18

05 Dec, Page 606, 10.4: 22

07 Dec, Final Exam review. No work due.

07 Dec, Office hours and lectures finished.

10 Dec, Extra credit Ch10 and maple due.

Deliver under the door 113jwb by 9pm.

13-14 Dec, Final Exam.

See the online final exam study guide.

Exam Period, Dec 10 to 14

Final exam for the 7:30 class is Friday,
December 14, 2007 from 7:30am to 10am
[EMCB 101].

Final exam for the 10:45 class is Thursday
December 13, 2007, 10:10am to 12:30pm [ST
104].

Extra Credit: Under the door, 113jwb.

26 Apr, Ch10 Extra Credit. About 9
problems appear on the ch10 extra credit
page.

26 Apr, Maple Makeup Lab 7:

Tacoma Narrows L7.1 , L7.2 ,
L7.3

26 Apr, Maple Makeup Lab 8:

Earthquake L8.1 , L8.2 , L8.3

Extra credit records locked at 9pm on 10
Dec. Ch10 and maple 7,8 credits apply to
the semester dailies total.

Policy on Dailies: The highest 116 dailies will be counted. The lowest 8 of the 124 dailies will be dropped. Any record with less than 50 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 earns a grade of zero [extra credit may be applied].

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.