

Differential Equations and Linear Algebra 2250

Grade Sheet with Due Dates and Lectures Fall 2008

Midterm 1 [Oct 2]	Av1= <input style="width: 30px; height: 20px;" type="text"/>
Midterm 2 [Nov 6]	Av2= <input style="width: 30px; height: 20px;" type="text"/>
Midterm 3 [Dec 4]	Av3= <input style="width: 30px; height: 20px;" type="text"/>
Final Exam [Dec 15]	AvFin= <input style="width: 30px; height: 20px;" type="text"/>
Average of dailies including maple labs:	AvDaily= <input style="width: 30px; height: 20px;" type="text"/>
Final Grade:	$\frac{70}{100} \left(\frac{Av1+Av2+Av3+AvFin+AvFin}{5} \right) + \frac{30}{100} AvDaily =$ <input style="width: 30px; height: 20px;" type="text"/>

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

Week 1, Aug 25 to 29

Lecture 1.1, 1.2, 1.3, 1.4.

25 Aug, Intro, GB Gustafson, nothing due.

26 Aug, Page 16, 1.2: 2 ,

27 Aug, Page 16, 1.2: 4 , 6 , 10

28 Aug, Intro, Thu. assistants Gully and Taylor.

29 Aug, Begin maple lab 1.

Week 2, Sep 2 to 5

Lecture 1.5, 2.1, 2.2.

01 Sep, Holiday no class

02 Sep, Page 26, 1.3: 8

TBA, First maple intro, LCB115.

TBA, Repeat maple intro, LCB115.

03 Sep, Page 26, 1.3: 14

04 Sep, Discuss maple lab 1.

Review, drill, Q&A ch1.

TBA, Repeat maple intro, LCB115.

05 Sep, Page 41, 1.4: 6 , 12

Week 3, Sep 8 to 12

Lecture 2.3, 2.4, 2.5, 2.6.

08 Sep, Page 41, 1.4: 18 , 22 , 26

10 Sep, Page 54, 1.5: 8 , 18 ,

20 , 34

11 Sep, Discuss L2.1. Review, drill, Q&A ch1.

12 Sep, Page 86, 2.1: 8 , 16

Week 4, Sep 15 to 19

Lecture 3.1, 3.2, 3.3.

15 Sep, Page 96, 2.2: 10 , 14

16 Sep, Submit Maple lab 1:

L1.1 , L1.2

17 Sep, Page 106, 2.3: 10 , 20

18 Sep, Discuss L2.2, L3.1 and L4.1

20 Sep, Page 152, 3.1: 6 , 16 ,

26

Week 5, Sep 22 to 26

Lecture 3.4, 3.5, 3.6.

22 Sep, Page 162, 3.2: 10 , 14 ,

24

23 Sep, Newton Cooling L2.1

23 Sep, Submit maple lab parts L3.1 , L4.1

24 Sep, Page 170, 3.3: 10 , 20

25 Sep, Exam 1 review, problems 1,2.

25 Sep, Discuss L2.3.

26 Sep, Page 182, 3.4: 20

Week 6, Sep 29,30, Oct 1,3

Lecture 4.1, 4.2, 4.3.

29 Sep, Page 182, 3.4: 30 , 34 ,

40

30 Sep, Page 194, 3.5: 16 , 26 ,

44

01 Oct, nothing due

02 Oct, Midterm 1, Five problems ch1 and ch2

03 Oct, Submit maple Newton Cooling:

L2.2 , L2.3 , L2.4

Week 7, Oct 6 to 10

Lecture 4.4, 4.5, 4.6, 4.7.

06 Oct, Page 212, 3.6: 6 , 20 ,
32 , 40 , 60

07 Oct, Page 233, 4.1: 16 , 20 ,
32

08 Oct, Page 240, 4.2: 4 , 18 ,
28

09 Oct, Review, drill, Q&A Ch3.

09 Oct, Discuss maple L3.2, L3.3, L3.4.

10 Oct, nothing due

Fall Break: Oct 11-19

Happy Holiday!

11-18 Oct, Traveling? Nothing due from 9 to 19
Oct. Substantial amounts of dailies and maple
projects are due after the break.

Week 8, Oct 20 to 24

Lecture 5.1, 5.2, 5.3, 5.4.

20 Oct, nothing due.

21 Oct, Page 248, 4.3: 18 , 24

22 Oct, Page 255, 4.4: 6 , 24

23 Oct, Exam 2 review.

23 Oct, Discuss maple L4.2, L4.3, L4.4.

24 Oct, Page 263, 4.5: 6 , 24 , 28

Week 9, Oct 27 to 31

Lecture 5.5, 5.6, EPbvp3.7, 10.1

27 Oct, Page 271, 4.6: 2

27 Oct, Page 278, 4.7: 10 , 20 ,
26

28 Oct, Submit maple L3 (L3.1 was 23 Sep):

L3.2 , L3.3 , L3.4

29 Oct, Page 294, 5.1:

34 , 36 , 38 , 40 ,

42 , 46 , 48

30 Oct, Exam review continued.

31 Oct, Page 306, 5.2: 18 , 22

Week 10, Nov 3 to 7

Lecture 10.2, 10.3, 10.4.

03 Nov, Page 319, 5.3: 8 , 10 ,
16 , 32

04 Nov, Submit maple L4 (L4.1 was 23 Sep):

L4.2 , L4.3 , L4.4

05 Nov, Page 331, 5.4: 20 , 34

06 Nov, Midterm 2, Five problems ch3, ch4,
ch5.1-5.3

07 Nov, Page 346, 5.5: 6 , 12 , 22

Week 11, Nov 10 to 14

Lecture 10.5, EPbvp7.6, 6.1, 6.2.

10 Nov, Page 346, 5.5: 54 , 58

11 Nov, Page 357, 5.6: 4 , 8 ,

18 12 Nov, Page 227 in EPbvp 3.7: 4 ,

12 13 Nov, Discuss maple L5.1, L5.2, L5.3.

14 Nov, Page 576, 10.1:

18 , 28

14 Nov, Page 588, 10.2:

10 , 16 , 24

Week 12, Nov 17 to 21

Lecture 7.1, 7.2, 7.3, 7.4.

17 Dec, Page 597, 10.3: 6 , 18

17 Dec, Page 606, 10.4: 22

18 Nov, Submit maple Matrix Algebra,
L5.1 , L5.2 , L5.3

19 Nov, Page 616, 10.5: 4 , 22 , 28

20 Nov, Exam 3 review.

Discuss maple L6.1, L6.2, L6.3.

21 Nov, Page 510 in EPbvp 7.6, 8 , 22

Week 13, Nov 24,25,26

Lecture 7.5 /w Laplace, 8.1, 8.2.

24 Nov, Traveling?

Then submit 7.1 to 7.4 on 24-25 Nov.

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

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

25 Nov, Page 400, 7.1: 8 , 20

25 Nov, Page 413, 7.2: 12 , 14

27-28 Nov

Happy Thanksgiving Holiday!

Week 14, Dec 1 to 5

Lecture 9.1, 9.2, 9.3.

01 Dec, Page 425, 7.3:

8 , 20 , 30

02 Dec, Page 438, 7.4: 6 , 24

03 Dec, Submit maple Mech. Osc.

L6.1 , L6.2 , L6.3

04 Dec, Midterm 3, Five problems ch5, ch10, ch6

05 Dec, 8.1: 4 , 12 , 38

Week 15, Dec 8 to 12

Lecture 9.3, 9.4, Review.

08 Dec, 8.2: 4 , 19

09 Dec, 9.1: 4 , 8 , 18

10 Dec, 9.2: 2 , 12 , 22

12 Dec, 9.3: 8 , 9 , 10

15 Dec, 9.4: 4 , 8

Policy on Dailies: The highest 140 dailies will be counted. The lowest 8 of the 148 dailies will be dropped. Any record with less than 60 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.

12 Dec, Final Exam review.

12 Dec, Office hours and lectures finished.

15 Dec, Extra credit Ch9 and maple due.

Deliver under the door 113jwb by 9pm.

15-19 Dec, Final Exam period.

See the online final exam study guide.

Exam Period, Dec 15-19

Final exam for the 7:30 class is Monday, December 15, 2008 from 7:30am to 10am [WEB 103].

Extra Credit: Under the door, 113jwb.

15 Dec, Ch9 Extra Credit. About 10 problems appear on the ch9 extra credit page.

15 Dec, Maple Makeup Lab 7:

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

15 Dec, Maple Makeup Lab 8:

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

Extra credit records locked at 6pm on 15 Dec.

Ch9 and maple 7,8 credits apply to the semester dailies total, not just ch9.