## **Differential Equations 2280**

Spring Semester 2009. Edwards-Penney 4/E



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

**Boldface items** with empty box will be examined by a grader for correctness. Each score is 100, making 15800 total. Maple labs are dailies. Other items are *not graded* but make up the **study guide** for the 3 midterm exams and final. Solution keys to study guide items are published on the web as a group effort of the class, volunteer participation expected.





Lectures Week 2, Jan 19-23 Read: Sections 1.6, 2.1, 2.2, 2.3.





Lectures Week 3, Jan 26-30 Read: Sections 2.4, 2.5, 2.6, 3.1, 3.2.

<b>1.6</b> :	5 1	8 34 63
<b>2.1</b> :	7	13 <b>30</b>
<b>2.2</b> :	9	21 23
<b>2.3</b> :	2	11 21 <b>24</b>

Lectures Week 4, Feb 2-6 Read: Sections 3.3, 3.4, some of 3.5



Lectures Week 5, Feb 9-13 Read: Sections 7.1, 7.2, 7.3

<b>3.2</b> :	4 10 15 23	
27		
3.3:	9 10 15 24	
28	<u>35</u> <b>40 46</b>	
<b>3.4</b> :	3 <b>10 13</b> 18	
35	36 37 38	

Lectures Week 6, Feb 16-20 Read: Sections 7.4, 7.5, 7.6.



Lectures Week 7, Feb 23-27 Read: Sections 3.5, 3.6, 3.7

25  Fe	eb, Mid	term	Exar	n 1	
<b>7.4</b> :	3	11	14		17
20	23	26		31	36
<b>7.5</b> :	5	14		25	33

Lectures Week 8, Mar 2-6 Read: Sections 4.1, 4.2, 4.3, 5.1.





Lectures Week 9, Mar 9-13 Read: Sections 5.2, 5.3, 5.4, 5.5. Spring break Mar 16-21.



Lectures Week 10, Mar 23-27 Read: Sections 5.6, 6.1, 6.2, 6.3.



Lectures Week 11, Mar 30,31 and Apr 1,3 Read: Sections 6.3, 6.4, 6.5.



Lectures Week 12, Apr 6-10 Read: Sections 9.1, 9.2, 9.3.



Lectures Week 13, Apr 13-17 Read: Sections 9.4, 9.5, 9.6.



Lectures We	ek 14	l, Apr	20 - 24
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Read: Section 9.6, 9.7, Final Review.

20 Apr, Final Exam Review. 24 Apr. Midterm Exam 3

24 Apr, muterin Exam 5					
<b>9.4</b> : 3	8	15	18		
9.5: 3	10	0 14	15		
17	18 <b>1</b> 9	)			

Lectures Week 15, Apr 27-29 Read: Final Exam review. Lectures end Apr 29. Reading day Apr 30.



Lectures Week 16, May 1-8 Read: Final exam period.

6 May, Final Exam, 7:30-10:00am, regular classroom.

**Policy on Dailies**: The highest 150 dailies will be counted. The lowest 8 of the 158 dailies will be dropped. Any record with less than 70 daily 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. Zeros can be erased by doing extra credit problems.

**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.

## Average of Midterms and Final (100+100+100+200)/5: $AV_1 =$

Average of dailies (150 items, 100 each):  $AV_2 =$ 

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

## 2280 Tentative Due Dates for Submitted Work

Differential Equations 2280 Spring Semester 2009 Edwards-Penney, DE and BVP, 4/E Graded Problems Week 1, Jan 12-16 Sections 1.2, 1.3, 1.4, 1.5. 14 Jan, 1.1: 8, 12, 35, 39, 16 Jan, 1.2: 5, 10, 17, 37, Week 2, Jan 19-23 Sections 1.6, 2.1, 2.2, 2.3. 19 Jan, Holiday Monday. 20 Jan, 1.3: 33, 21 Jan, 1.4: 3, 11, 19, 54, 23 Jan, 1.5: 9, 15, 39, Week 3, Jan 26-30 Sections 2.4, 2.5, 2.6, 3.1, 3.2. 26 Jan, 1.6: 18, 63, 27 Jan, 2.1: 7, 30, 28 Jan, 2.2: 9, 21, 23, 30 Jan, 2.3: 2, 24, Week 4, Feb 2-6 Sections 3.3, 3.4, some of 3.5 03 Feb, Maple Lab1:L1.1, L2.2, L1.3, L1.4 04 Feb, 2.4,2.5,2.6: Maple L3.1, L4.1 Parts 2,3,4 of Maple Labs 3,4 due after Spring Break 06 Feb, 3.1: 5, 25, 46, Week 5, Feb 9-13 Sections 7.1, 7.2, 7.3 10 Feb, 3.2: 4, 15, 23, 11 Feb, 3.3: 10, 15, 28, 40, 46, 13 Feb, 3.4: 10, 13, 35, 36, 37, 38, Week 6, Feb 16-20 Sections 7.4, 7.5, 7.6. 16 Feb, Holiday Monday. 17 Feb, 7.1: 4, 15, 25, 33, 35, 36, 41,

18 Feb, 7.2: 19, 24, 35, 20 Feb, 7.3: 3, 7, 13, 20 Feb, Maple Lab2: L2.1, L2.2, L2.3, L2.4, Week 7, Feb 23-27 Sections 3.5, 3.6, 3.7 24 Feb, 7.4: 3, 14, 17, 23, 26, 25 Feb, Midterm Exam 1 27 Feb, 7.5: 5, 14, 33, Week 8, Mar 2-6 Sections 4.1, 4.2, 4.3, 5.1. 03 Mar, 7.6: 15, 17, 21, 04 Mar, 3.5: 1, 5, 7, 9, 34, 37, 41, 45, 06 Mar, 3.6: 4, 17, 23, 06 Mar, 3.7: 8, 14, Week 9, Mar 9-13 Sections 5.2, 5.3, 5.4, 5.5. 10 Mar, 4.1: 2, 27, 11 Mar, 4.2: 8, 34, 13 Mar, 4.3: 10, 17, 13 Mar, 5.1: Nothing due 13 Mar, MapleLab6: L6.1, L6.2, L6.3, Spring break Mar 16-21. Week 10, Mar 23-27 Sections 5.6, 6.1, 6.2, 6.3. 24 Mar, 5.2: 32, 36, 25 Mar, Midterm Exam 2 27 Mar, 5.3: 3, 16, 19, 27 Mar, MapleLab3: L3.2, L3.3, L3.4, Week 11, Mar 30,31 and Apr 1,3 Sections 6.3, 6.4, 6.5. 30 Mar, 5.4: 12, 25, 35, 31 Mar, 5.5: 3, 15, 23, 01 Apr, 5.6: 16, 31, 03 Mar, MapleLab4: L4.2, L4.3, L4.4, Week 12, Apr 6-10 Sections 9.1, 9.2, 9.3.

07 Apr, 6.1: 20, 08 Apr, 6.2: 15, 27, 37, 10 Apr, 6.3: 5, 8, 9, 10, 13, 17, 10 Apr, 6.4: 12, 10 Apr, 6.5: nothing due 10 Apr, MapleLab7: L7.1 to L7.5 Week 13, Apr 13-17 Sections 9.4, 9.5, 9.6. 14 Apr, 9.1: 23, 27, 15 Apr, 9.2: 17, 17 Apr, 9.3: 4, 9, 20, Week 14, Apr 20-24 Section 9.6, 9.7, Final Review. 20 Apr, Final Exam Review. 21 Apr, 9.4: 8, 15, 18, 22 Apr, 9.5: 3, 14, 17, 19, 24 Apr, Midterm Exam 3 Week 15, Apr 27-29 Final Exam review. Lectures end Apr 29. Reading day Apr 30.} 27 Apr, 9.6: 3, 6, 11, 13, 14, 15, 16, 17, 19, 28 Apr, 9.7: 5, 9, 11, 29 Apr, Final Exam Review Week 16, May 1-8 Final exam period. 6 May, Final Exam, 7:30-10:00am, regular classroom. Policy on Dailies: The highest 150 dailies will be counted. The lowest 8 of the 158 dailies will be dropped. Any record with less than 70 daily scores earns a grade of E, regardless of midterm and final exam scores. Deadlines set at web site http://www.math.utah.edu/~gustafso/. Work not in the stack sent to the assistant is late and it earns a grade of zero. Zeros can be erased by doing extra credit problems. Policy on Exams: The final exam is doubled before

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Final Grade: 0.7(exam ave) + 0.3(dailies ave)