

Math 8 Schedule (revised 3/9/17)
 LIU Post, Spring 2017
 Section 1: Dr. Corbett Redden

Class	Date	Material	Homework
1	Wed 1/18	Area (7.1)	<i>a</i> 7.1: 6, 19, 23, 25, 27, 37, 82* <i>Calculus Made Easy</i> reading
2	Fri 1/20	Improper Integrals (8.8) Quiz 1	<i>a</i> 8.8: 9, 17, 19, 33
3	Mon 1/23		(<i>a</i> due Tues 1/24)
4	Wed 1/25	Volume - Disks, Washers (7.2) Quiz 2	<i>b</i> 7.2: 3, 5, 7, 11, 59*
5	Fri 1/27	Integration by Parts (8.2)	<i>b</i> 7.2: 71 <i>b</i> 8.2: 9, 23, 25 (<i>b</i> due Tues 1/31)
6	Mon 1/30	Volume - Shells (7.3)	<i>c</i> 7.3: 3, 5, 18, 25, 27, 49*
7	Wed 2/1	Quiz 3	
8	Fri 2/3	Compound Interest (5.5) Exponential Functions (5.4)	<i>c</i> 5.5: 89, 91 (<i>c</i> due Tues 2/7)
9	Mon 2/6	Exponential Functions (5.4)	<i>d</i> 5.4: 25-28, 33-51 odd, 91, 95, 101 <i>d</i> 7.2: 27
10	Wed 2/8	Inverse Functions (5.3) Quiz 4	<i>d</i> 5.1: 5-8, 41-63 eoo, 109* <i>d</i> 5.2: 1, 7, 13, 19, 25, 27, 31, 89, 108*
11	Fri 2/10	Logarithmic Functions (5.1, 5.2) Unofficial Snow Day	(<i>d</i> due Tues 2/14 Thurs 2/16)
12	Mon 2/13	Differential Equations (6.1) Slope Fields (6.1)	<i>e</i> 6.1: 1, 2, 5, 35, 41, 45, 57-60, 67, 59, 72, 73 , 96*
13	Wed 2/15	Differential Eq'ns Cont'd (6.1) Quiz 5	(<i>e</i> due Fri 2/17 Wed 2/22)
14	Fri 2/17	Separable Equations (6.3) Exponential Growth/Decay (6.2)	<i>f</i> 6.1: 67, 69, 72 <i>f</i> 6.2: 1, 3, 7, 38, 51, 56, 65 <i>f</i> 6.3: 37, 38*
	Mon 2/20	Columbus Day	(<i>f</i> due Wed 2/22 Fri 2/24)
15	Tues 2/21	Applications of Separable Eqns Quiz 6	<i>g</i> 6.4: 25-28, 31-32
16	Wed 2/22	Logistic Growth (6.3) Partial Fractions (8.5)	<i>g</i> 8.5: 5, 7, 11, 36 (<i>g</i> due Tues 2/28)
17	Fri 2/24	Quiz 7	<i>h</i> 8.5: 46, 49*, 50* <i>h</i> 6.3: 55, 59
18	Mon 2/27	Applications	(<i>h</i> due Fri 3/10)
19	Wed 3/1	Review	
20	Fri 3/3	Test 1	
21-23	3/6-3/10	Applications, Quiz 8 (3/8)	HW <i>i</i> (due Tues 3/21)
	3/11-3/19	Spring Recess	

Class	Date	Material	Homework
24	Mon 3/20	Trig Review Trig Integrals (8.3)	<i>j</i> Derive identities <i>j</i> 8.3: 1, 2, 7, 19, 24, 75
25	Wed 3/22	Arclength (7.4) Quiz 9	<i>j</i> 7.4: 1, 5, 11, 67* (<i>j</i> due Tues 3/28)
26	Fri 3/24	Trig Substitution (8.4)	<i>k</i> 8.4: 21, 24, 25, 55, 72* <i>k</i> 7.4: 17, 21, 26
27	Mon 3/27	Geometric Series (9.2)	<i>k</i> 9.2: 7, 9, 15, 19, 25, 35, 47, 83, 84* (<i>k</i> due Tues 4/4)
28	Wed 3/29	Taylor Series (9.7) Quiz 10	<i>l</i> 9.7: 13, 15, 17, 19, 29, 41, 43
29	Fri 3/31	Series Tests Overview (9.3-9.8)	
30	Mon 4/3	Ratio Test (9.6)	<i>l</i> 9.6: 13, 19, 27 (<i>l</i> due Fri 4/7)
31	Wed 4/5	Integral Test (9.3) Alternating Series (9.5) Quiz 11	<i>m</i> 9.3: 1, 5, 9, 29, 31 <i>m</i> 9.5: 37, 41, 43, 49, 81* (<i>m</i> due Tues 4/11)
32	Fri 4/7	Power Series (9.8)	<i>n</i> 9.8: 11, 13, 17, 27, 59, 63, 65
33	Mon 4/10	Analytic functions (9.9) Taylor Series (9.10)	<i>n</i> 9.9: 5, 10, 19, 21, 49, 48* <i>n</i> 9.10: 1, 3, 5, 17, 23, 47, 60, 73, 85*
34	Wed 4/12	Taylor Series Quiz 12	(<i>n</i> due Mon 4/17)
35	Fri 4/14	Taylor Series	
36	Mon 4/17	Review	
37	Wed 4/19	Test 2	
38	Fri 4/21	Review	
39	Mon 4/24	Review	
	Wed 4/26	Make-up Class/Extra Review	
	Wed 5/3	FINAL EXAM 8:00a - 10:40a	

Starred (*) problems are extra credit.
“eoo” stands for every other odd; e.g. 3-13 eoo would be 3, 7, 11.