

Math 8 Schedule – Revised 4/1/16
 LIU Post, Spring 2016
 Section 2: Dr. Corbett Redden

Class	Date	Material	Homework
1	Wed 1/20	Area (7.1)	<i>a</i> 7.1: 6, 19, 23, 25, 27, 37, 82*
2	Fri 1/22	Improper Integrals (8.8)	<i>a</i> 8.8: 9, 17, 19, 33
3	Mon 1/25		(<i>a</i> due Tues 1/26)
4	Wed 1/27	Volume - Disks, Washers (7.2) Quiz 1	<i>b</i> 7.2: 3, 5, 7, 11, 59*
5	Fri 1/29	Integration by Parts (8.2)	<i>b</i> 7.2: 71 <i>b</i> 8.2: 9, 23, 25 (<i>b</i> due Tues 2/2)
6	Mon 2/1	Volume - Shells (7.3)	<i>c</i> 7.3: 3, 5, 18, 25, 27, 49*
7	Wed 2/3	Quiz 2	(<i>c</i> due Tues 2/9)
8	Fri 2/5	SNOW DAY	
9	Mon 2/8	Compound Interest (5.5) Exponential Functions (5.4)	<i>d</i> 5.5: 89, 91
10	Wed 2/10	Exponential Functions (5.4) Quiz 3	<i>d</i> 5.4: 25-28, 33-51 odd, 91, 95, 101 <i>d</i> 7.2: 27
11	Fri 2/12	Inverse Functions (5.3) Logarithms	(<i>d</i> due Wed 2/17)
12	Tues 2/16	Logarithmic Functions (5.1, 5.2)	<i>e</i> 5.1: 5-8, 41-63 eoo, 109* <i>e</i> 5.2: 1, 7, 13, 19, 25, 27, 31, 89, 108* (<i>e</i> due Tues 2/23)
13	Wed 2/17	Differential Equations (6.1) Slope Fields (6.1) Quiz 4	<i>f</i> 6.1: 1, 2, 5, 35, 41, 45, 96* <i>f</i> 6.1: 57-60, 67, 69, 72
14	Fri 2/19	Separable Equations (6.3) Exponential Growth/Decay (6.2)	<i>f</i> 6.2: 1, 3, 7, 38, 51, 56, 65 <i>f</i> 6.3: 37, 38* (<i>f</i> due Thurs 2/25)
15	Mon 2/22	Applications of Separable Eqns Quiz 5	<i>g</i> 6.3: 33-36, 39* <i>g</i> 6.4: 31-32, 26-28
16	Wed 2/24	Modeling, Logistic Growth (6.3)	(<i>g</i> due Tues 3/1)
17	Fri 2/26	Partial Fractions (8.5) Quiz 6	<i>h</i> 8.5: 5-17 odd, 36, 49, 50* <i>h</i> 6.3: 55, 59
18	Mon 2/29	Partial Fractions, Logistic Growth	(<i>h</i> due Tues 3/15)
19	Wed 3/2	Applications of Diff Eq (6.1-64) Quiz 7	
20	Fri 3/4	Review	
	3/5-3/13	Spring Recess	

Class	Date	Material	Homework
21	Mon 3/14	Arclength (7.4)	<i>i</i> 7.4: 1, 5, 11, 67*
22	Wed 3/16	Work (7.5) Quiz 8	<i>i</i> 7.5: 5, 11, 12, 25 (<i>i</i> due Tues 3/22)
23	Fri 3/18	Trig Review Trig Integrals (8.3)	<i>j</i> Derive identities <i>j</i> 8.3: 1, 2, 7, 19, 24, 75
24	Mon 3/21	Trig Substitution (8.4)	<i>j</i> 8.4: 21, 24, 25, 55, 72* <i>j</i> 7.4: 17, 21, 26
25	Wed 3/23	Trig Substitution Quiz 9	(<i>j</i> due Tues 3/29)
26	Fri 3/25	Inverse Trig (5.6)	<i>k</i> 5.6: 39-53 odd, 91, 95, 98*
27	Mon 3/28	Linear approximation (3.9) Taylor polynomials (9.7)	<i>k</i> 9.7: 13, 15, 17, 19, 29, 41, 43 (<i>k</i> due Tues 4/5)
28	Wed 3/30	Taylor polynomials Quiz 10	
29	Fri 4/1	Sigma notation (4.2) Geometric Series (9.2)	<i>l</i> 9.2: 7, 9, 15, 19, 25, 35, 47, 83, 84*
30	Mon 4/4	Geometric Series (9.2)	
31	Wed 4/6	Series Tests Overview (9.3-9.8) Quiz 11	Homeworks <i>l, m, n</i>
32	Fri 4/8	Ratio Test (9.6)	<i>l</i> 9.6: 13, 19, 27 (<i>l</i> due Tues 4/12)
33	Mon 4/11	Integral Test (9.3) Alternating Series (9.5)	<i>m</i> 9.3: 1, 5, 9, 29, 31 <i>m</i> 9.5: 37, 41, 43, 49, 81*
34	Wed 4/13	Power Series (9.8) Quiz 12	<i>m</i> 9.8: 11, 13, 17, 27, 59, 63, 65 (<i>m</i> due Tues 4/19)
35	Fri 4/15	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*
36	Mon 4/18	Series Applications	(<i>n</i> due Tues 4/26)
37	Wed 4/20	Series Applications Quiz 13	
38	Fri 4/22	Series Applications/Review	
39	Mon 4/25	Review	
	Wed 4/27	Review (Make-up class)	
	Wed 5/4	FINAL EXAM 8:00a - 10:40a	

* indicates extra credit problem