

Math 7 Schedule
LIU Post, Fall 2016
Section 2: Dr. Corbett Redden

Notes: Starred (*) problems are extra credit.
“eoo” stands for every other odd; e.g. 3-13 eoo would be 3, 7, 11.
P.2 denotes the Practice chapter P.2, with homework problems starting on page 16.

Class	Date	Material	Homework
1	Wed 9/7	Lines (P.1, P.2)	<i>a</i> P.1: 1-4, 57, 59, 71 <i>a</i> P.2: 1-4, 11, 17-22 odd, 39-45 odd
2	Fri 9/9	Rates of Change (P.2)	<i>a</i> P.2: 63, 65, 75-76, 48* (<i>a</i> due Tues 9/13)
3	Mon 9/12	Visual Calculus Quiz 1	<i>b</i> Handout
4	Wed 9/14	Basic Derivative Rules (2.2)	<i>b</i> 2.2: 3-30 odd, 53-55 (part a only), 97, 79*
5	Fri 9/16	Product, Quotient Rules (2.3) Quiz 2	<i>b</i> 2.3: 1-18 odd, 87b, 84* (<i>b</i> due Tues 9/20)
6	Mon 9/19	Chain Rule (2.4)	<i>c</i> 2.4: 7-33 odd, 43-63 odd, 113*
7	Wed 9/21	Implicit Differentiation (2.5) Quiz 3	<i>c</i> 2.5: 1-15 odd, 33-34 (<i>c</i> due Tues 9/27)
8	Fri 9/23	Derivative Review	
9	Mon 9/26	Limits - Numerically and Visually (1.2); Quiz 4	<i>d</i> 1.2: 1-6 odd, 15-22 odd, 23-24, 29*
10	Wed 9/28	Limits Analytically (1.3) Derivatives (2.1)	<i>d</i> 1.3: 5, 13, 47-55 odd, 75, 105* <i>d</i> 2.1: 11-23 eoo
11	Fri 9/30	Limits - One-sided (1.4) and Infinite (1.5); Quiz 5	<i>d</i> 1.4: 1-5 odd <i>d</i> 1.5: 1-7 odd (<i>d</i> due Tues 10/4)
12	Mon 10/3	Continuity, IVT, Finding Roots (1.4)	<i>e</i> Handout
13	Wed 10/5	Increasing/Decreasing, Extrema (3.1, 3.3) Quiz 6	<i>e</i> Handout
14	Fri 10/7	Concavity (3.4)	<i>e</i> Handout (<i>e</i> due Tues 10/11)
	Mon 10/10	No Class (Columbus)	
15	Wed 10/12	Graphing Functions (3.6) Quiz 7	<i>f</i> Handout
16	Fri 10/14	Graphing (3.6)	(<i>f</i> due Tues 10/18)
17	Mon 10/17	Optimization (3.7)	<i>g</i> 3.7: 5, 13, 17, 19, 21, 34, 41, 40*
18	Wed 10/19	Optimization, Quiz 8	(<i>g</i> due Fri 10/21)
19	Fri 10/21	Optimization	
20	Mon 10/24	Review	
21	Wed 10/26	Test 1	

Class	Date	Material	Homework
22	Fri 10/28	Implicit Differentiation (2.5)	<i>h</i> 2.5: 25, 41, 71*
23	Mon 10/31	Related Rates (2.6)	<i>h</i> 2.6: 1, 7, 11, 13, 17, 21, 26, 41, 49*
24	Wed 11/2	Related Rates (2.6) Linear Approximation (3.9) Quiz 9	(<i>h</i> due Tues 11/8)
25	Fri 11/4	Linear Approximation (3.9)	<i>i</i> 3.9: 1, 3, 5, 11-19 odd, 37, 39, 33*
26	Mon 11/7	Anti-Derivatives (4.1)	<i>i</i> 4.1: 3-6, 11-31 eoo, 35, 39
27	Wed 11/9	Applications of Anti-Deriv's Quiz 10	<i>i</i> 4.1: 53, 61 (<i>i</i> due Tues 11/15)
28	Fri 11/11	Chain Rule (4.5)	<i>j</i> 4.5: 5-30 eoo, 33-41 odd
29	Mon 11/14	Area (4.2)	<i>j</i> 4.2: 7-12 odd, 25-30 odd, 74* (<i>j</i> due <i>Fri</i> 11/18)
30	Wed 11/16	Riemann Sums (4.2, 4.3) Quiz 11	<i>k</i> 4.2: 13, 15, 17, 45, 47 <i>k</i> 4.3: 13-31 odd
31	Fri 11/18	FTC (4.4)	<i>k</i> 4.4: 5-13 odd, 35, 37, 109* (<i>k</i> due Tues 11/29)
32	Mon 11/21	FTC Quiz 12	<i>l</i> 4.4: 15-34 eoo <i>l</i> 4.5: 55-61 odd
	11/23-25	Thanksgiving, No Classes	
33	Mon 11/28	Applications	<i>l</i> 4.4: 39-43 odd, 51, 55, 81-85 odd, 61*
34	Wed 11/30	Applications Quiz 13	(<i>l</i> due <i>Fri</i> 12/2)
35	Fri 12/2	Review	<i>m</i> Review Handout (<i>m</i> due <i>Fri</i> 12/16)
36	Mon 12/5	Review	
37	Wed 12/7	Test 2	
38	Fri 12/9	Review	
39	Mon 12/12	Review	
	Wed 12/14	(Make-up class, Review)	
	Mon 12/19	Final Exam	