

Math 6.001 and 6.002 (Redden) - Spring 2021

"eoo" stands for every other odd, or every 4th problem

Lecture	Dates	Material	Quiz/Test	Homework (required, suggested)
1	2/2	Snow Day - No Class		
	2/4	Lines, Rates of Change		2.2: 9-15 odd Supplement 1.1: 7-56 eoo, 57, 58, 67, 69
2	2/9	Instantaneous Rate of Change		2.2: 1-8 odd
	2/11	Snow Day - No Class		
3	2/16	Basic Derivative Rules		2.3: 1-30eoo, 31, 37, 47, 49, 51
4	2/18	Product, Quotient Rules	Quiz 1	Homework 1 (due 2/25/21) 2.3: 7, 11, 14, 16, 22, 36, 38, 48 2.4: 2, 18, 28, 32, 38, 59
5	2/23	Position/velocity/acceleration		Homework 2 (due 3/9) 2.5: 34, 37, 40
6	2/25	Chain Rule		2.6: 11, 18, 23, 33, 57
7	3/2	Increasing/Decreasing, Relative Max/Min via 1st derivative	Quiz 2	3.1: 1, 4, 8-9 (make +- chart for f')
8	3/4	Profit functions and Optimization		3.3: 29, 37, 38 (turn in with HW4)
9	3/9	Chain Rule		2.6: 51-53
10	3/11	Graphing using 1st & 2nd derivatives		Homework 3 (Due Fri 3/19) 3.2: 14, 57
11	3/16	Optimization		3.3: 41, 48
12	3/18	Optimization	Quiz 3	3.4: 9, 10
13	3/23	Implicit Differentiation and		HW 4 (due Mon 3/29) 3.3: 29, 37, 38
14	3/25	Related Rates	Quiz 4	3.6: 1, 5, 25, 37, 41, 59, 66
15	3/30	Review		
	4/1	Midterm Test 1 (in-class)	Test 1	
16	4/6	Antiderivatives		HW 5 (due Wed 4/14) 5.1: 1-40eoo, 43, 47
17	4/8	Definite Integrals, Area	Quiz 5	5.3: 1-12 odd. "Test 2" Project assigned
18	4/13	FTC - Fundamental Theorem		Homework 6 (due Mon 4/19)
19	4/15	of Calculus, Applications		5.3: 19-35eoo, 73, 75, 77; 47, 48, 51 5.4: 1-13eoo, 30, 45, 47, 52; 7, 29, 37, 41, 51
20	4/20	Substitution	Quiz 6	5.6: 1-4, 7, 9, 13, 14, 23, 24
21	4/22	Substitution, Surplus	"Test 2" Due	
22	4/27			
23	4/29	Final Class - Review		
	5/4	Section 3, 10:55a-1:35p		
	5/6	Section 1, 8:00a-10:40a	FINAL EXAM	