

Date	Day of the week	Topic	Homework	Notes & Comments
1/17/07	Wed	Introduction to course	#4 on Exam 1 Concepts	
1/19/07	Fri	1.4 Slope and linear functions	p.51: 17,19,21,25,29,31,33,35,37,53	
1/22/07	Mon	2.1,2.2 Limits, continuity	p.104: 9a-d,11a-g; p.111:1-11 odd,17,21; #2 on Exam 1 Concepts	
1/24/07	Wed	2.3 Average rates of change	p.119: 15,19,23,25	
1/26/07	Fri	2.4 Difference quotients	p.135: 3,7,11,13,17,23,25,31; #1 on Exam 1 Concepts	
1/29/07	Mon	2.5 Differentiation techniques	p.146: 1-43 odd,47,53,61,67	
1/31/07	Wed	2.6 Derivative applications, 2.7 Differentiation techniques: the product and quotient rules	p.153: 5,7,9,11; #3 on Exam 1 Concepts; p.162: 1-21 odd	
2/2/07	Fri	2.7 Continued, 2.8 The chain rule	p.162: 23-37 odd, 87; p.171: 1,3,5,7,9,17,21,23,27,29,33,37,55	
2/5/07	Mon	Review for exam 1	p.180(Chapter 2 test): 1-21, 23-36, 38	
2/7/07	Wed	Exam 1		
2/9/07	Fri	3.1 First derivative analysis	Have a GREAT weekend	
2/12/07	Mon	3.1 First derivative test to find minimum and maximum, 2.9 Higher order derivatives	p.199: 3,5,7,9,11,15,19,61,65; p.176: 1-9 odd,13,15,21,37; #1 on Exam 2 Concepts	
2/14/07	Wed	3.2 Second derivatives to find maximum and minimum values	#2 on Exam 2 Concepts; p.199: rework 3.1 problems using 2nd derivative test	
2/16/07	Fri	3.3 Rational functions, asymptotes	p.232: 1-15 odd,47,51	
2/19/07	Mon	3.4 Absolute maximum and minimum values	p.245: 7-29 odd,97	
2/21/07	Wed	3.5 Maximum-minimum problems: business applications	p.261: 13,15,27,29,31,35	
2/23/07	Fri	3.5 More problems	p.261 continued	
2/26/07	Mon	3.7 Implicit differentiation	p.276: 1-13 odd	
2/28/07	Wed	3.7 Related Rates	p.276: 21,23,27,33,34	
3/2/07	Fri	Review for exam 2	p.200: 7,9,15,65; p.215: 19; p.232: 10,11,13; p.245: 7,25; p.262: 29,31; p.276: 5,6,21,27	Work problems on p.200 and p.215 with both first and second derivative tests.
3/5/07	Mon	Review for exam 2	Continue to work review problems from Friday	
3/7/07	Wed	Exam 2	Relax	
3/9/07	Fri	Instructor option		
3/12/07	Mon	Spring Break		
3/14/07	Wed	Spring Break		
3/16/07	Fri	Spring Break		
3/19/07	Mon	4.1 Exponential functions	p.298: 7-29 odd	
3/21/07	Wed	4.2 Logarithmic functions	p.314: 35-61 odd	

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3/23/07	Fri	4.3, 4.4 Applications	p.328: 5(b & c only),7,9,33(b & c only),37; p.340: 1,3,7	
3/26/07	Mon	5.1 Integration	p.371: 1-9 odd,13-21 odd,25-31 odd	
3/28/07	Wed	5.2 Area and definite integrals	p.385: 15,17,47-57 odd,69	
3/30/07	Fri	5.3 Limits of sums	p.395: 1,2	
4/2/07	Mon	5.4 Properties of definite integrals	p.406: 1-21 odd	
4/4/07	Wed	5.5 Integration techniques: substitution	p.412: 1-9 odd,13-21 odd,31,33,37,39,41,43,49,57	
4/6/07	Fri	Review for exam 3	4.1 (p.298): 23,25,27,29; 4.2 (p.315): 41,47,51,55,59; 4.3 (p.328): 7,9,15(b,d only); 5.1 (p.371): 17,19,21,25; 5.2 (p.385): 15,16,17,51; 5.3 (p.395): 1; 5.4 (p.406): 3,5,7,13; 5.5 (p.412): 7,9,17,37,49	
4/9/07	Mon	Review for exam 3	Continue to work review problems from Friday	
4/11/07	Wed	Exam 3		
4/13/07	Fri	6.1 Consumer's and producer's surplus	p.439: 1,3,5,7	
4/16/07	Mon	6.3 Improper integrals	p.452: 1-15 odd,25,31,33,51	
4/18/07	Wed	None		Due to VT vigil, class is cancelled
4/20/07	Fri	6.4 Probability	p.464: 1,3,5,9,11,13,15,21,23,25,27,31	
4/23/07	Mon	6.5 Expected value (to top of p.469)	p.475: 1-9 odd (Find expected value only)	
4/25/07	Wed	7.1-7.2 Partial derivatives	p.501: 1,5; p.508:1-15 odd	
4/27/07	Fri	7.3 Higher-order partial derivatives	p.512: 1-13 odd	
4/30/07	Mon	7.4 Maximum-minimum problems	p.520: 1-11 odd,15 (find critical points only)	1. $(-\frac{1}{3}, \frac{2}{3})$ . 3. $(\frac{2}{3}, \frac{2}{3})$ and $(0, 0)$ . 5. $(0, 0)$ and $(1, 1)$ . 7. $(1, -2)$ . 9. $(-1, 2)$ . 11. $(0, 0)$ . 15. The critical point of the profit function $P(x, y) = 28x - 4y - 4x^2 + 4xy - 2y^2 + 3$ is $(6, 5)$ . The tells us that in order for the company to maximize profit, it should produce and sell 6 thous. radios of the \$17 type and 5 thous. radios of the \$21 type.
5/2/07	Wed	Review for final exam	p.439:3,5; p.452:7,11; p.464:15,25,27,31; p.475:3,5; p.501:1; p.508:9,11,13,15; p.512:1,5; p.520:1,7,9,15	
5/4/07	Fri	Review for final exam		
5/11/07	Fri	Final Exam 9:10 - 11:10 am		Location TBD