

Week	Date	Topic	Homework (odd problems only)
1	8/21	Review Calculus I	worksheet
	24	Substitution	[5.5] 1-35, 39-47, 53-73, 77, 79, 87, 91
	25	<b>Mathematica Lab #1</b> (due Tue 9/1)	
	26	Integration by Parts	[7.1] 1-23, 27-41, 51-57, 71
	28	<b>Quiz #1: Basic Techniques of Integration</b>	
2	31	Trig Integrals	[7.2] 1-39, 45-49, 57, 65
	9/1	Trig Substitution	[7.3] 1-29
	2	Partial Fractions	[7.4] 7-11, 15-29, 39-53, 65
	4	Which Technique to Use?	[7.5] 1-27, 37-41, 49, 51, 55-65, 69-75, 79
	7	(LABOR DAY)	
3	8	<b>Mathematica Lab #2</b> (due Wed 9/16)	
	9	<b>Quiz #2 : Techniques of Integration</b>	
	11	Approximate Integration	[7.7] 1, 5-19, 21ac, 29-35, 45, 49
	14	Improper Integrals	[7.8] 5-25, 41, 81
	15	(VALUES DAY)	
4	16	More Improper Integrals	[7.8] 1, 27-39, 57
	18	<b>Review</b> [5] 15-37, 69 [7] 1-15, 19-27, 41-47, 63-67, 79	
	21	<b>Test #1: How to Integrate</b>	
	22	<b>Mathematica Lab #3</b> (due Tue 9/29)	
	23	Volume by Disks	[6.2] 1-29, 43, 45
5	25	Volume by Slicing	[6.2] 49-59, 65
	28	Volume by Shells	[6.3] 1-19, 27, 29, 37-41
	29	<b>Mathematica Lab #4</b> (due Wed 10/7)	
	30	<b>Quiz #3: Volumes</b>	
	10/2	Area & Average Value	[6.1] 1, 3, 13-23, 29, 53 [6.5] 1-17
6	5	Arc Length	[8.1] 1, 9-21, 25, 33, 39
	6	Surface Area	[8.2] 1-5a, 7-19, 33, 37
	7	<b>Quiz #4: Geometrical Applications</b>	
	9	(FALL BREAK)	
	7		

Week	Date	Topic	Homework
8	12	Center of Mass	[8.3] 25-33, 37, 45
	13	Differential Equations	[9.3] 1-23, 29-35, 39, 43
	14	Work	[6.4] 13-19
	16	Moments of Inertia	worksheet
	19	<b>Review</b>	[6] 1-11, 15, 19-25, 31 [8] 1, 3, 7, 13, 15 [9] 7, 9, 13, 21
9	20	<b>Test #2: Applications of Integration</b>	
10	21	Sequences	[11.1] 1-17, 23-55
	23	More Sequences	[11.1] 65-81
	26	Series	[11.2] 3-7, 15-25, 43-63
	27	More Series	[11.2] 27-41, 67, 75, 81, 85, 87
11	28	<b>Quiz #5: Sequences and Series</b>	
11	30	Integral Test	[11.3] 1-31, 35, 45
	11/2	Comparison Tests	[11.4] 1-31, 37-41
	3	Alternating Series	[11.5] 1-19, 33, 35
	4	Ratio & Root Tests	[11.6] 1-39, 45
	6	Which Test to Use?	[11.7] 1-33
12	9	<b>Quiz #6: Convergence Tests</b>	
12	10	Estimation of Series	[11.3] 37-41 [11.4] 33, 35 [11.5] 23-31 [11.6] 47
	11	Power Series	[11.8] 1-33, 37, 41
	13	Functions as Series	[11.9] 1-19, 37, 39
	16	<b>Quiz #7: Series Estimation and Power Series</b>	
13	17	<b>Mathematica Lab #5</b> (due Tue 11/24)	
	18	Taylor Series	[11.10] 5-25, 73-79
	20	Modifying Series	[11.10] 31-51, 67, 71
14	23	Calc Applications	[11.9] 25-29 [11.10] 53-63 [11.11] 13-21ab, 25-29
	24	<b>Mathematica Lab #6</b> (due Fri 12/4)	
	25	(THANKSGIVING BREAK)	
	27	(THANKSGIVING BREAK)	
15	30	Physics Applications	worksheet
	12/1	<b>Review</b>	[11] 1-37, 41-55, 59
	2	<b>Test #3: Infinite Series</b>	
	4	<b>Review for Final</b>	
	7	<b>Final Exam</b> (1-3 pm)	