

## Math 122 - Fall 2009 Syllabus

Date	Section	Topic	#	Homework
August				
24	7.1-7.2	Integration tables	#1	519/1,5,9,19,27,35,37,39,43,45
25		Quiz #1		
26	7.3	Parts	#2	526/3,5,7,9,13,15,21,35,39,49
28	7.4	Trig Integrals	#3	534/1,9,11,13,15,17,19,21,37,41
31	7.4	Trig Integrals	#4	534/3,23,25,27,31,33,39,43,57,59
September				
1		Quiz #2		
2	7.5	Partial Fractions	#5	542/1,3,5,11,15,17,21,23,25,27
4	7.6	Trig Substitution	#6	547/1,3,5,9,11,15,19,21,23,27
7		<b>No Class</b>		
8		Quiz #3		
9	7.7	Quadratic Polynomials	#7	553/1,3,5,9,11,13
11	7.8	Improper Integrals	#8	566/3,5,9,13,17,23,29,31,35,37
14		Review for Test 1		
15		<b>Test 1</b>		
16	8.1	Differential Equations	#9	586/1,3,5,9,11,19,25,27
18	8.2	Slope Fields	#10	597/1,3,5,7,9,21
21	8.2	Euler's method	#11	597/11,13,15,17,19
22		Quiz #4		
23	8.3	Separable Equations	#12	606/1,5,7,11,15,17,19
24	8.4	Linear Equations	#13	617/1,3,5,7,11,13,115,19
28	8.4	Applications of Linear Equations	#14	618/23,25,27,29,31,33,35,43
29		Quiz #5		
30	8.6	Linear Second-order Equations	#15	640/1,3,5,7,9,11,13,15,17,19
October				
2	9.2	Polar Coordinates	#16	671/1,3,5,15,19,21,31,41,43,47
5	9.3	Area in Polar Coordinates	#17	678/7,11,17,25,27,29
6		Quiz #6		
7	9.4	Parametric Equations	#18	687/3,7,11,17,25,29
9	9.5	Parametric Equations/ Calculus	#19	695/ 1,3,5,7,11,13,15

October

12		Review for Test 2		
13		<b>Test 2</b>		
14	10.1	Infinite Sequences	#20	730/1,3,5,7,9,11,13,15,17,19
16	10.2	Infinite Sequences	#21	730/21,23,25,27
19		Fall Break	<b>No Class</b>	
20		Fall Break	<b>No Class</b>	
21	10.2	Infinite Sequences	#22	730/29,31,35,37,53
23	10.3	Infinite Series	#23	741/1,3,5,11,13
26	10.3	Infinite Series	#24	741/17,25,31,35
27		Quiz #7		
28	10.4	Taylor Polynomials	#25	755/1,3,5,7,9,11,13,15,17,19
30	10.4	Taylor Series	#26	755/21,23,25,27,29,31,33,35,37,39

November

2	10.5	Integral Test	#27	763/1,3,5,7,15,21,25,29,37
3		Quiz #8		
4	10.6	Comparison Test	#28	770/3,5,9,11,17,19,21,25,31,35
6	10.7	Alternating Series	#29	778/1,3,5,7,9,11,13,15,17,19
9	10.7	Ratio and Root Test	#30	779/21,23,25,27,29,33,35,37,41
10		Quiz #9		
11	10.8	Power Series	#31	792/3,5,9,17,21,25,31,35,41,45
13	10.9	Power Series Computations	#32	800/3,9,11,13,15,23,27
16		Review for Test 3		
17		<b>Test 3</b>		
18	11.1-11.2	Vectors and 3 space	#33	823/13,17,21,25,29,31,35
20	11.2	Dot Product	#34	833/1,3,5,19,21,25,27
23	11.3	Cross Product	#35	842/1,3,5,7,9,11,15,17,19,23,25
24		Quiz #10		
25	11.4	Lines	#36	849/1,3,5,9,15,17
27		Thanksgiving	<b>No Class</b>	
30	11.4	Planes	#37	849/21,23,29,31,39,41

December

1		Quiz #11		
2	11.4	Lines and Planes	#38	849/11,13,33,35,49,51,55
4		Class Party and Review		
7		Reading Day		
8		<b>Math 122 Final</b>		