

Math 122 - Fall 2026

Syllabus

Date	Section	Topic	#	Homework
August				
24		Review	1	352/21,25,45,53,57,61,69,73
25		Quiz 1		
26	7.1	Parts	2	405/5,9,13,23,45,51
28	7.2	Trig. Integrals	3	413/3,9,13,35,37,47
31	7.3	Trig. Substitution	4	420/7,15,19,23,27,37
September				
1		Quiz 2		
2	7.4	Hyperbolic Functions	5	425/3,7,11,17,25,29
4	7.5	Partial Fractions	6	434/5,9,15,21,31,37
7	No Class	Labor Day		
8		Quiz 3		
9	7.7	Improper Integrals	7	450/5,17,23,27,33,39
11	7.9	Numerical Integration	8	461/1,3,7,13,17,19
14		Review		
15		Test 1		
16	8.1	Probability	9	471/5,7,9,11
18		Return Test 1		
21	8.2	Arc Length	10	478/5,7,9,35,37,39
22		Quiz 4		
23	8.3	Fluid Pressure	11	484/1,3,5,7,11
25	8.4	Center of Mass	12	494/11,13,21,23
28	9.1	Differential Equations	13	506/13,17,21,33,35,39
29		Quiz 5		
30	9.2	$y' = k(y - b)$	14	514/5,7,9,17,19,21
October				
2	9.3	Euler's Method	15	521/9,11,15,17,19
5	9.4	The Logistic Equation	16	527/3,5,7,11,13,15
6		Quiz 6		
7	9.5	First Order Linear	17	532/5,13,19,23,25
9	9.5	Applications of First Order	18	533/33,35,37,39

12		Review		
13		Test 2		
14	10.1	Sequences	19	521/15,19,27,35,45,49,61
16	10.2	Series	20	557/3,11,17,25,37
19	No Class	Fall Break		
20	No Class	Fall Break		
21	10.3	Integral Test	21	566/1,3,5,7,9,11
23	10.3	Comparison Test	22	567/17,19,21,23,25,27
26	10.5	Ratio and Root Test	23	579/3,5,9,11,13,37,39
27		Quiz 7		
28	10.4	Absolute and Cond. Convergence	24	574/3,5,7,27,29,33
30	10.6	Power Series	25	589/9,13,17,25,29,33
November				
2	10.7	Taylor Polynomials	26	600/1,5,9,19,31,41
3		Quiz 8		
4	10.8	Taylor Series	27	613/7,9,15,23,29,49
6	11.1	Parametric Equations	28	626/3,7,15,23,51,69
9	11.2	Arc Length	29	636/1,3,7,15,17
10		Quiz 9		
11	11.3	Polar Coordinates	30	643/1,3,5,11,21,39
13	11.4	Area in Polar	31	649/5,7,11,21,25
16		Review		
17		Test 3		
18	12.1-12.2	Vectors	32	677/5,9,29,47; 687/1,3,5,15,19
20	12.2	Lines	33	688/43,45,47,49,51,53
23	12.3	Dot Product	34	696/3,5,13,19,27,29,59,65
24		Quiz 10		
25		Return Quiz 10		
27	No Class	Thanksgiving Break		
30	12.4	Cross Product	35	708/9,11,17,41,43
December				
1		Quiz 11		
2	12.5	Planes	36	716/13,17,21,23,33,35
4		Review and class party		
7		Reading Day / Math Gala		
8		Math Final		