

Math 122 - Fall 2025

Syllabus

Date	Section	Topic	#	Homework
August				
25		Review	1	352/21,25,45,53,57,61,69,73
26		Quiz 1		
27	7.1	Parts	2	405/5,9,13,23,45,51
29	7.2	Trig. Integrals	3	413/3,9,13,35,37,47
September				
1	No Class	Labor Day		
2		Quiz 2		
3	7.3	Trig. Substitution	4	420/7,15,19,23,27,37
5	7.4	Hyperbolic Functions	5	425/3,7,11,17,25,29
8	7.5	Partial Fractions	6	434/5,9,15,21,31,37
9		Quiz 3		
10	7.7	Improper Integrals	7	450/5,17,23,27,33,39
12	7.9	Numerical Integration	8	461/1,3,7,13,17,19
15		Review		
16		Test 1		
17	8.1	Probability	9	471/5,7,9,11
19		Return Test 1		
22	8.2	Arc Length	10	478/5,7,9,35,37,39
23		Quiz 4		
24	8.3	Fluid Pressure	11	484/1,3,5,7,11
26	8.4	Center of Mass	12	494/11,13,21,23
29	9.1	Differential Equations	13	506/13,17,21,33,35,39
30		Quiz 5		
October				
1	9.2	$y' = k(y - b)$	14	514/5,7,9,17,19,21
3	9.3	Euler's Method	15	521/9,11,15,17,19
6	9.4	The Logistic Equation	16	527/3,5,7,11,13,15
7		Quiz 6		
8	9.5	First Order Linear	17	532/5,13,19,23,25
10	9.5	Applications of First Order	18	533/33,35,37,39
13		Review		
14		Test 2		
15	10.1	Sequences	19	521/15,19,27,35,45,49,61
17	10.2	Series	20	557/3,11,17,25,37

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