

Day	Date	Sec	Topic	Problems and Comments
Wed	27-Aug	4.5	Review Substitution rule	39, 41, 43, 45, 47, 49, 51, 53, 55, 65.
Fri	29-Aug	6.1	Inverse functions	1, 3, 7--25, 28, 37, 38
Mon	1-Sep		Labor Day	No Classes
Wed	3-Sep	6.2*	The Natural Log Function	5--12, 17--20, 27--42, 43, 45, 49, 50, 56,59, 67--76, 83, 84*, 85*
Fri	5-Sep	6.3*	The Natural Exponential Function	1-20, 25,27, 29, 35, 37, 49, 59, 61, 81, 82
Mon	8-Sep	6.4*	General Log and Exponential Functions	11-32, 55, 58, 67--77, 91--93, 95, 96
Wed	10-Sep	6.5	Exponential growth and decay	1, 3, 5, 7, 9, 11, 17
Fri	12-Sep	6.6	Inverse trigonometric functions	1, 3, 5, 7, 13, 15, 17, 20, 22, 27--29,30--34, 65, 66, 79--90, 93*, 94*, 95*
Mon	15-Sep	6.8	Indeterminate forms and L'Hopital's rule	1, 3, 5, 7, 9, 11,13, 19, 21, 23, 25, 27, 29, 31, 88, 89, 91, 93, 95, 96, 99
Wed	17-Sep	6.8	Cont'd	Last day to drop without a grade
Fri	19-Sep		Review	fugate: An alternative is 6.2, 6.3, 6.4
Mon	22-Sep		Review	
Tues	23-Sep		Examination 1, 7:30-9:30PM	Rooms TBA
Wed	24-Sep	7.1	Integration by parts	1, 3, 5, 7, 9, 11, 13, 19, 21, 33, 37,38*, 39*, 40*, 41, 42, 57, 62
Fri	26-Sep	7.2	Trigonometric integrals	1--44, 48, 51, 52
Mon	29-Sep	7.3	Trigonometric substitution	1--28, 31, 35, 38*
Wed	1-Oct	7.4	Integration by partial fractions	1--16, 17--54, 58--61.
Fri	3-Oct		Fall Break	No Classes
Mon	6-Oct	7.5	Rationalizing substitutions	1, 3, 5, 7, 9, 11, 18, 31*,32*
Wed	8-Oct	7.6	Strategy for integration	1--80
Fri	10-Oct	7.7	Tables of Integrals	1--28
Mon	13-Oct	7.8	Approximate integration	1, 3, 5, 9, 11, 17, 19, 21, 27
Wed	15-Oct	7.9	Improper integrals	1--25, 43, 45, 49, 51, 60*, 63, 81, 83
Fri	17-Oct	Review		fugate: We are required to give students a mid-term grade by Friday, Oct. 24
Mon	20-Oct	Review		
Tues	21-Oct		Examination 2, 7:30-9:30PM	Rooms TBA
Wed	22-Oct	8.1	Differential equations	1, 3, 5, 11, 13, 15, 17, 29, 30, 31, 32
Fri	24-Oct	8.2	Arc length	1, 3, 5, 6, 7, 29, 30,31 Last day to drop with a "W"
Mon	27-Oct	10.1	Sequences	1--11,13--40, 47, 48, 51, 53, 55, 60*, 61*, 62*, 70*
Wed	29-Oct	10.2	Series	1--34, 37, 39, 41, 43, 45, 47, 53, 55, 54, 57*
Fri	31-Oct	10.3	Integral test	1--17, 19, 23, 25, 29
Mon	3-Nov	10.4	Comparison tests	1, 3, 5, 7, 9, 11, 33, 35, 37, 39
Wed	5-Nov	10.5	Alternating series	1, 3, 5, 7, 9, 11, 17, 19, 21, 23, 33, 41, 43, 53, 55, 61, 65, 66
Fri	7-Nov	10.6	Absolute convg. and the ratio test	1, 3, 5, 7, 9, 11, 13, 27, 29, 33, 35
Mon	10-Nov	10.7	Strategy for testing series	1--40
Wed	12-Nov	10.8	Power series	1,3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 33
Fri	14-Nov	Review		
Mon	17-Nov	Review		
Tues	18-Nov		Examination 3, 7:30-9:30PM	Rooms TBA
Wed	19-Nov	10.9	Representation of functions as power series	1, 3, 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 27
Fri	21-Nov	10.10	Taylor and MacLaurin series	1, 3, 7, 9, 11, 17, 19, 21, 25, 26, 29, 31, 32, 33, 34, 37, 45, 47,49
Mon	24-Nov	10.12	Applications of Taylor polynomials	
Wed	26-Nov	9.1	Curves defined by parametric equations	1, 3, 5, 7, 9, 17, 19, 23, 25, 27, 28
Thur	27-Nov		Thanksgiving Vacation	No Classes
Fri	28-Nov		Thanksgiving Vacation	No Classes
Mon	1-Dec	9.2	Tangents and areas	1,3,5, 15, 17, 23
Wed	3-Dec	9.3	Arc length	1, 3, 5, 7, 9, 13, 15
Fri	5-Dec	9.4	Polar coordinates	1, 3, 5, 7, 9, 11, 13, 37, 39, 41, 51, 53
Mon	8-Dec		Review	
Wed	10-Dec		Review	
Fri	12-Dec		Review	Last Class
			Final Exam depends on lecture time.	See p. 14 of Schedule of Classes, Fall 2003