

		MA 225 Infinite Series	2024F		
		OpenStax Calculus (OSC)			
		Sloughter, "Multivariable Calculus" (MC)			
	2023F			Due Dates	
No.	Date	Topics	Text (OSC)	Assignments	Wk
NoClass	2-Sep	Holiday: Labor Day			1
	3-Sep				
L1	4-Sep	Intro, Infinite sequences	9.1		
R1	5-Sep	PS1-problem set			
L2	6-Sep	L1 cont, Series, Harmonic Series, Geometric series	9.1, 9.2		
L3	9-Sep	Telescoping Series, Divergence Test, Integral Tests	9.2, 9.3		2
	10-Sep				
L4	11-Sep	L3 cont, Comparison Tests, Alternating series	9.3, 9.4		
R2	12-Sep	PS2-problem set		CHA1	
L5	13-Sep	L4 cont, Alternating series	9.4, 9.5		
L6	16-Sep	L5 cont, The ratio test	9.5, 9.6		3
	17-Sep				
L7	18-Sep	Power series and radius of convergence	10.1		
R3	19-Sep	PS3-Problem set		CHA2	
L8	20-Sep	Properties and manipulating power series	10.2	HW1	
L9	23-Sep	Taylor Series	10.3		4
	24-Sep				
L10	25-Sep	Review			
Ex1	26-Sep	Exam 1 (Through Lecture 9 material)		CHA3	
L11	27-Sep	Working with Taylor series	10.4		
L12	30-Sep	Working with Taylor series cont	10.4		5
	1-Oct				
L13	2-Oct	Working with Taylor series cont	10.4		
R4	3-Oct	PS4-problem set		CHA4	
L14	4-Oct	Second-order Taylor polynomials	MC 3.4	HW2	
L15	7-Oct	Classification of quadratic forms	MC 3.4		6
	8-Oct				
L16	9-Oct	Optimization of functions of two variables	MC 3.5		
R5	10-Oct	PS5-problem set		CHA5	
L17	11-Oct	Optimization of functions of two variables (cont)	MC 3.5	HW3	
NoClass	14-Oct	Fall Recess			7
L18	15-Oct	Review			
L19	16-Oct	Review			
Ex2	17-Oct	Exam 2 (cumulative)		CHA6	
NoClass	18-Oct	No class - MA 225 ends			
		HW = Written homework			
		CHA = Canvas homework assignment			