

## MA 165 Assignment Sheet

Fall 2023 (Version: August 14, 2023)

Date	Day	Lesson	Topics, Sections to Cover	Section #	due MLM HW
Aug.21	M	1	Exponential and Logarithmic Functions	1.3	due Thurs., Aug. 31
Aug.23	W	2	Trigonometric Functions and Their Inverses	1.4	
Aug.24	Th	Quiz 1	covers Lessons 1, 2		
Aug.25	F	3	Idea of limits, Definition of limits	2.1, 2.2	
Aug.28	M	4	Computing the limits	2.3	Lessons 1,2,3
Aug.30	W	5	Infinite limits, limits at infinity	2.4, 2.5	Lesson 4
Aug.31	Th	Quiz 2	covers Lessons 3,4,5		
Sept.1	F	6	Continuity	2.6	Lesson 5
Sept.4	M	×	Labor Day	×	×
Sept.6	W	7	Introducing the Derivative	3.1	Lesson 6
Sept.7	Th	Quiz 3	covers Lessons 6, 7		
Sept.8	F	8	Derivative as a function	3.2	Lesson 7
Sept.11	M	9	Rules of Differentiation	3.3, 3.4	Lesson 8
Sept.13	W	10	Derivatives of Trigonometric Functions	3.5	Lesson 9
Sept.14	Th	×	Go over Study Guide for Exam 1		
Sept.15	F	11	Derivatives as Rate of Change Chain Rule Part I	3.6, 3.7	Lesson 10
Sept.18	M	×	Review for Exam 1	×	×
Sept.19	T	<b>Exam 1</b>	<b>covers Lessons 1-9, 6:30 PM - 7:30 PM</b>	×	×
Sept.20	W	12	Chain Rule Part II	3.7	Lesson 11
Sept.21	Th	Quiz 4	covers Lessons 8, 9, 10		
Sept.22	F	×	No Classes	×	×
Sept.25	M	13	Implicit Differentiation	3.8	Lesson 12
Sept.27	W	14	Derivatives of Logarithmic and Exponential Functions	3.9	Lesson 13
Sept.28	Th	Quiz 5	covers Lessons 11, 12, 13		
Sept.29	F	15	Derivatives of the Functions of the form $f(x)^{g(x)}$	3.9	Lesson 14
Oct.2	M	16	Derivatives of the Inverse Trigonometric Functions	3.10	Lesson 15
Oct.4	W	17	Related Rates, Part I	3.11	Lesson 16
Oct.5	Th	Quiz 6	covers Lessons 14, 15, 16		
Oct.6	F	18	Related Rates, Part II	3.11	Lesson 17
Oct.9	M		October Break	×	×
Oct.11	W	19	Maxima & Minima	4.1	Lesson 18
Oct.12	Th	Quiz 7	covers Lessons 17, 18, 19		
Oct.13	F	20	Mean Value Theorem What derivatives tell us Part I	4.2, 4.3	Lesson 19
Oct.16	F	21	What derivatives tell us Part II	4.3	Lesson 20
Oct.18	W	×	Review for Exam 2	×	×
Oct.19	Th	×	Go over Study Guide for Exam 2		
Oct.19	Th	<b>Exam 2</b>	<b>covers Lessons 10-18, 6:30 PM - 7:30 PM</b>	×	×
Oct.20	F	×	No Classes	×	×
Oct.23	M	22	Graphing Functions	4.4	Lesson 21
Oct.25	W	23	Optimization Problem, Part I	4.5	Lesson 22
Oct.26	Th	Quiz 8	covers Lessons 20, 21, 22		
Oct.27	W	24	Optimization Problem, Part II	4.5	Lesson 23

## MA 165 Assignment Sheet

Fall 2022 (continued)

Date	Day	Lesson	Topics, Sections to Cover	Section #	due MLM HW
Oct.30	M	25	Linear Approximation and Differentials	4.6	Lesson 24
Nov.1	W	26	L'Hospital's Rule	4.7	Lesson 25
Nov.2	Th	×	Go over Study Guide for Exam 3		
Nov.3	F	27	Antiderivatives	4.9	Lesson 26
Nov.6	M	×	Review for Exam 3	×	×
Nov.7	T	<b>Exam 3</b>	<b>covers Lessons 19-26, 6:30 PM - 7:30 PM</b>	×	×
Nov.8	W	28	Approximating the area under curves (Riemann Sum)	5.1	Lesson 27
Nov.9	Th	Quiz 9	covers Lessons 23, 24, 25, 26		
Nov.10	F	29	Definite Integrals	5.2	Lesson 28
Nov.13	M	30	Fundamental Theorem of Calculus	5.3	Lesson 29
Nov.15	W	31	Working with Integrals	5.4	Lesson 30
Nov.16	Th	Quiz 10	covers Lessons 27, 28, 29, 30		
Nov.17	F	×	No Classes	×	×
Nov.20	M	×	Thanksgiving Week	×	×
Nov.22	W	×	Thanksgiving Week	×	×
Nov.23	Th	×	Thanksgiving Week	×	×
Nov.24	F	×	Thanksgiving Week	×	×
Nov.27	M	32	Substitution Rules	5.5	Lesson 31
Nov.29	W	33	Exponential Models (Growth & Decay)	7.2	Lesson 32
Nov.30	Th	Quiz 11	covers Lessons 31, 32, 33		
Dec.1	F	×	Reading Day	×	Lesson 33
Dec.4	M	×	Review for Final Exam	×	×
Dec.6	W	×	Review for Final Exam	×	×
Dec.7	Th	×	Review for Final Exam	×	×
Dec.8	F	×	Review for Final Exam	×	×