MA 165 Assignment Sheet

Fall 2023 (Version: August 14, 2023)

Aug. 21	Date	Day	Lesson	Topics, Sections to Cover	Section #	due MLM HW
Aug. 24	Aug.21	M				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Aug.23	W	2		1.4	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Aug.24	Th	Quiz 1			due Thurs., Aug. 31
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Aug.25	F	3		2.1, 2.2	
Aug. 31	Aug.28	M	4	Computing the limits	2.3	Lessons 1,2,3
Sept.1	Aug.30			Infinite limits, limits at infinity	2.4, 2.5	Lesson 4
Sept.4	Aug.31	Th	Quiz 2	covers Lessons 3,4,5		
Sept.6 W 7 Introducing the Derivative covers Lessons 6, 7 3.1 Lesson 6 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.15 F 11 Derivatives as Rate of Change 3.6, 3.7 Lesson 10 Sept.18 M × Review for Exam 1 × × Sept.19 T Exam 1 × × Sept.20 W 12 Chain Rule Part II 3.7 Lesson 11 Sept.20 W 12 Covers Lessons 1-9, 6:30 PM - 7:30 PM × × Sept.29 F × X No Classes × × Sept.29 F 13 Implicit Differentiation 3.8 Lesson 12 Sept.29 F 15 Derivatives of Legarithmic and 3.9 Lesson 12	Sept.1	F	6	Continuity	2.6	Lesson 5
Sept.7 Th Quiz 3 covers Lessons 6, 7 Sept.11 M 9 Rules of Differentiation 3.2 Lesson 7 Sept.13 W 10 Derivatives of Trigonometric Functions 3.5 Lesson 8 Sept.14 Th X Go over Study Guide for Exam 1 Lesson 10 Sept.15 F 11 Derivatives as Rate of Change 3.6, 3.7 Lesson 10 Sept.18 M X Review for Exam 1 X X Sept.19 T Exam 1 Covers Lessons 1-9, 6:30 PM - 7:30 PM X X Sept.20 W 12 Chain Rule Part II 3.7 Lesson 11 Sept.21 Th Quiz 4 Chain Rule Part II 3.7 Lesson 11 Sept.22 F X No Classes X X Sept.23 M 13 Implicit Differentiation 3.8 Lesson 12 Sept.28 Th Quiz 5 covers Lessons 11, 12, 13 Derivatives of Logarithmic and Exponential Functions 3.9 Lesson 13 </td <td>Sept.4</td> <td>M</td> <td>×</td> <td>Labor Day</td> <td>×</td> <td>X</td>	Sept.4	M	×	Labor Day	×	X
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.14 Th × Go over Study Guide for Exam 1 3.5 Lesson 9 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 Exam 1 covers Lessons 1-9, 6:30 PM - 7:30 PM × × Sept.20 W 12 Chain Rule Part II 3.7 Lesson 11 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.28 Th Quiz 5 covers Lessons 11, 12, 13 Lesson 12 Sept.28 Th Quiz 5 covers Lessons 11, 12, 13 Lesson 15 <	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
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.11	M	9	Rules of Differentiation	3.3, 3.4	Lesson 8
Sept.15 F	Sept.13	W	10	Derivatives of Trigonometric Functions	3.5	Lesson 9
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.14	Th	×	Go over Study Guide for Exam 1		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.15	F	11	Derivatives as Rate of Change	3.6, 3.7	Lesson 10
				Chain Rule Part I		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.18	M	×	Review for Exam 1	×	X
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.19	Т	Exam 1	covers Lessons 1-9, 6:30 PM - 7:30 PM	×	×
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.20	W	12	Chain Rule Part II	3.7	Lesson 11
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 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 \times \times Oct.11 W 19 Maxima & Minima 4.1 Lesson 18 Oct.12 Th Quiz 7 covers Lessons 17, 18, 19 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 Oct.18 W		Th	Quiz 4	covers Lessons 8, 9, 10		
Sept.27 W 14 Derivatives of Logarithmic and Exponential Functions 3.9 Lesson 13 Sept.28 Th Quiz 5 covers Lessons 11, 12, 13 3.9 Lesson 14 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 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 0 0 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 Oct.16 F 21 What derivatives tell us Part II 4.3 Lesson 20 Oct.19 Th × Govers Lessons 10-1	Sept.22	F	×	No Classes	×	×
Sept.27 W 14 Derivatives of Logarithmic and Exponential Functions 3.9 Lesson 13 Sept.28 Th Quiz 5 covers Lessons 11, 12, 13 3.9 Lesson 14 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 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 0 0 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 Oct.16 F 21 What derivatives tell us Part II 4.3 Lesson 20 Oct.19 Th × Govers Lessons 10-1	Sept.25	M	13	Implicit Differentiation	3.8	Lesson 12
Sept.28 Th Sept.29 Quiz 5 F covers Lessons 11, 12, 13 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 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 0 0 Lesson 19 Oct.13 F 20 Mean Value Theorem 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.20 F ×	Sept.27	W	14		3.9	Lesson 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 3.11 Lesson 17 Oct.6 F 18 Related Rates, Part II 3.11 Lesson 17 Oct.9 M October Break \times \times Oct.11 W 19 Maxima & Minima 4.1 Lesson 18 Oct.12 Th Quiz 7 covers Lessons 17, 18, 19 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 Oct.16 F 21 What derivatives tell us Part II 4.3 Lesson 20 Oct.18 W \times Review for Exam 2 \times \times Oct.19 Th Exam 2 \times \times <				Exponential Functions		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sept.28	Th	Quiz 5	covers Lessons 11, 12, 13		
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 3.11 Lesson 17 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 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 What derivatives tell us Part I 4.3 Lesson 20 Oct.16 F 21 What derivatives tell us Part II 4.3 Lesson 20 Oct.18 W × Review for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × Oct.20 F <td>Sept.29</td> <td>F</td> <td>15</td> <td>Derivatives of the Functions</td> <td>3.9</td> <td>Lesson 14</td>	Sept.29	F	15	Derivatives of the Functions	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 3.11 Lesson 17 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 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 What derivatives tell us Part I 4.3 Lesson 20 Oct.16 F 21 What derivatives tell us Part II 4.3 Lesson 20 Oct.18 W × Review for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × Oct.20 F <td></td> <td></td> <td></td> <td>of the form $f(x)^{g(x)}$</td> <td></td> <td></td>				of the form $f(x)^{g(x)}$		
Oct.4 W 17 Related Rates, Part I 3.11 Lesson 16 Oct.5 Th Quiz 6 covers Lessons 14, 15, 16 3.11 Lesson 17 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 Covers Lesson 19 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 What derivatives tell us Part I 4.3 Lesson 20 Oct.18 W × Review for Exam 2 × × Oct.19 Th × Go over Study Guide for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × Oct.20 F × No Classes × × Oct.23 M 22 Graphing Functions <td>Oct.2</td> <td>M</td> <td>16</td> <td></td> <td>3.10</td> <td>Lesson 15</td>	Oct.2	M	16		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 3.11 Lesson 17 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 Covers Lesson 19 Lesson 19 Oct.13 F 20 Mean Value Theorem 4.2, 4.3 Lesson 19 What derivatives tell us Part I 4.3 Lesson 20 Oct.18 W × Review for Exam 2 × × Oct.19 Th × Go over Study Guide for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × Oct.20 F × No Classes × × Oct.23 M 22 Graphing Functions <td></td> <td></td> <td></td> <td>Trigonometric Functions</td> <td></td> <td></td>				Trigonometric Functions		
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 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 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.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 Lesson 20, 21, 22	Oct.4	W	17		3.11	Lesson 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 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 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.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 Lesson 20, 21, 22		Th	Quiz 6			
Oct.11 W 19 Maxima & Minima 4.1 Lesson 18 Oct.12 Th Quiz 7 covers Lessons 17, 18, 19 4.2, 4.3 Lesson 19 Oct.13 F 20 Mean Value Theorem 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.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 4.5 Lesson 22	Oct.6	F	-		3.11	Lesson 17
Oct.12 Th Oct.13 Quiz 7 F covers Lessons 17, 18, 19 4.2, 4.3 Lesson 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 Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × 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 4.5 Lesson 22	Oct.9	M		October Break	×	×
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 Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × 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 4.5 Lesson 22	Oct.11	W	19	Maxima & Minima	4.1	Lesson 18
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 Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × 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 4.5 Lesson 22	Oct.12	Th	Quiz 7	covers Lessons 17, 18, 19		
What derivatives tell us Part I	Oct.13	F	20		4.2, 4.3	Lesson 19
Oct.18 W × Review for Exam 2 × × Oct.19 Th × Go over Study Guide for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × 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 4.5 Lesson 22				What derivatives tell us Part I	,	
Oct.18 W × Review for Exam 2 × × Oct.19 Th × Go over Study Guide for Exam 2 × × Oct.19 Th Exam 2 covers Lessons 10-18, 6:30 PM - 7:30 PM × × 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 4.5 Lesson 22	Oct.16	F	21	What derivatives tell us Part II	4.3	Lesson 20
Oct.19 Th × Go over Study Guide for Exam 2 ×		W	×			
Oct.19 Th Oct.20 Exam 2 F covers Lessons 10-18, 6:30 PM - 7:30 PM X X Oct.20 F X No Classes X X 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 22						
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 4.5 Lesson 22	Oct.19		Exam 2		×	×
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 4.5 Lesson 22				The state of the s		×
Oct.25 W 23 Optimization Problem, Part I 4.5 Lesson 22 Oct.26 Th Quiz 8 covers Lessons 20, 21, 22		M	22	Graphing Functions	4.4	Lesson 21
Oct.26 Th Quiz 8 covers Lessons 20, 21, 22						
	Oct.27		-	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	Exam 3	covers Lessons 19-26, 6:30 PM - 7:30 PM	×	×
Nov.8	W	28	Approximating the area under curves	5.1	Lesson 27
			(Riemann Sum)		
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	7.2	Lesson 32
			(Growth & Decay)		
Nov.30	Th	Quiz 11	covers Lessons 31, 32, 33		
Dec.1	F	×	Reading Day	×	Lesson 33
Dec.4	M	×	Review for Final Exam	×	X
Dec.6	W	×	Review for Final Exam	×	×
Dec.7	Th	×	Review for Final Exam	×	×
Dec.8	F	×	Review for Final Exam	×	×