

MA 166 Assignment Sheet

Spring 2021

Date	Day	Lesson	Sections to Study	Homework
Jan. 20	W	1	13.1 & 13.2	
Jan. 21	Th	Quiz 1	Vectors in the plane & Vectors in the 3-dimensional space Lessons 1, 2	
Jan. 22	F	2	Warning: Lesson 2 is included in Quiz 1 13.1, 13.2, 13.5 Geometry in the plane & Geometry in the 3-dimensional space	
Jan. 25	M	3	13.3	MLM Lessons 1, 2
Jan. 27	W	4	Dot Products 13.4	MLM Lesson 3
Jan. 28	Th	Quiz 2	Cross Products Lessons 3, 4	
Jan. 29	F	5	13.4, 6.2 Application of the cross product Area of the region between curves	MLM Lesson 4
Feb. 1	M	6	6.3	MLM Lesson 5
Feb. 3	W	7	Volumes by slicing; Washer method 6.4	MLM Lesson 6
Feb. 4	Th	Quiz 3	Volumes by shells Lessons 5, 6, 7	
Feb. 5	F	8	6.5 & 6.6 Length of curves and surface area	MLM Lesson 7
Feb. 8	M	9	6.7	MLM Lesson 8
Feb. 10	W	10	Physical applications 8.2	MLM Lesson 9
Feb. 11	Th	Quiz 4	Integration by parts Lessons 8,9,10	
Feb. 12	F	11	8.3 Trigonometric Integrals Part 1	MLM Lesson 10
Feb. 15	M	×	Review for Exam 1	
Feb. 16	Tu	×	Special Office Hour	
Feb. 17	W	Exam 1	covers Lessons 1-10	
Feb. 18	Th	×	Reading Day	
Feb. 19	F	12	8.3 Trigonometric Integrals Part 2	MLM Lesson 11
Feb. 22	M	13	8.4	MLM Lesson 12
Feb. 24	W	14	Trigonometric Substitutions Part 1 8.4	MLM Lesson 13
Feb. 25	Th	Quiz 5	Trigonometric Substitutions Part 2 Lessons 11, 12, 13	
Feb. 26	F	15	8.1, 8.2, 8.3, 8.4 Summary of Trig. Integ. & Trig. Sub.	MLM Lesson 14
Mar. 1	M	16	8.5	MLM Lesson 15
Mar. 3	W	17	Partial Fractions Part 1 8.5	MLM Lesson 16
Mar. 4	Th	Quiz 6	Partial Fractions Part 2 Lessons 14, 15, 16	
Mar. 5	F	18	8.9 Improper Integrals	MLM Lesson 17

Date	Day	Lesson	Sections to Study	Homework
March 8	M	19	10.1, 10.2 Sequence and its limit	MLM Lesson 18
March 10	W	20	10.1, 10.3 Introduction to the Series (Telescoping Series)	MLM Lesson 19
March 11	Th	Quiz 7	Lessons 18, 19, 20	
March 12	F	21	10.4 Divergence Test	MLM Lesson 20
Mar. 15	M	×	Review for Exam 2	
Mar. 16	Tu	×	Special Office Hour	
Mar. 17	W	Exam 2	covers Lessons 11-20	
Mar. 18	Th	×	Go over Exam 2	
Mar. 19	F	22	10.4 Integral Test and p -series	MLM Lesson 21
Mar. 22	M	23	10.5 Comparison Test & Limit Comparison Test	MLM Lesson 22
Mar. 24	W	24	10.6 Alternating Series Test Absolute/Conditional Convergence	MLM Lesson 23
Mar. 25	Th	Quiz 8	Lessons 21, 22, 23, 24	
Mar. 26	F	25	10.7 Ratio Test & Root Test	MLM Lesson 24
Mar. 29	M	26	10.8	MLM Lesson 25
Mar. 31	W	27	Choose a convergence test (general strategy) 11.1, 11.3 Taylor Series Part 1 (Approximating functions with polynomials)	MLM Lesson 26
Apr. 1	Th	Quiz 9	Lessons 25, 26, 27	
Apr. 2	F	28	11.1, 11.3 Taylor Series Part 2 (Approximating functions with polynomials)	MLM Lesson 27
Apr. 5	M	29	11.2 Properties of Power Series Part 1	MLM Lesson 28
Apr. 7	W	30	11.3, 11.4 Summary of Taylor Series and Applications	MLM Lesson 29
Apr. 8	Th	Quiz 10	Lessons 28, 29, 30	
Apr. 9	F	31	11.2, 11.4 Properties of Power Series Part 2	MLM Lesson 30
Apr. 12	M	×	Review for Exam 3	
Apr. 13	Tu	×	Special Office Hour	
Apr. 14	W	Exam 3	covers Lessons 21-30	
Apr. 15	Th	×	Go over Exam 3	
April 16	F	32	12.2 Polar Coordinates (Basics)	MLM Lesson 31
Apr. 19	M	33	12.3 Calculus in polar coordinates Part 1	MLM Lesson 32
Apr. 21	W	34	12.3 Calculus in polar coordinates Part 2	MLM Lesson 33
Apr. 22	Th	Quiz 11	Lessons 31, 32, 33, 34	
Apr. 23	F	35	12.2, 12.3 Summary of Polar Coordinates	MLM Lessons 34
Apr. 26	M	×	Review for Final Exam	
Apr. 28	W	×	Review for Final Exam	
Apr. 29	Th	×	Review for Final Exam	
Apr. 30	F	×	Review for Final Exam	