

MA 166 Assignment Sheet

Spring 2023 (Version Jan.4, 2023)

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Jan.9	M	1	Vectors in the plane	13.1, 13.2	×
Jan.11	W	2	Vectors in the 3-dimensional space	13.1, 13.2, 13.5	×
Jan.12	Th	Quiz 1	Geometry in the plane		×
Jan.13	F	3	Geometry in the 3-dimensional space covers Lessons 1, 2 (due Thurs., Jan.19)	13.3	×
Jan.16	M	×	Dot Products		
Jan.18	W	4	No Lesson (MLK Day)	13.4	×
Jan.19	Th	Quiz 2	Cross Products		HW Lessons 1,2,3
Jan.20	F	5	Application of the cross product covers Lessons 3,4	6.2	Quiz 1 & Quiz 2
Jan.23	M	6	Area of the region between curves		HW Lesson 4
Jan.25	W	7	Volumes by slicing	6.3	HW Lesson 5
Jan.26	Th	Quiz 3	Washer method		
Jan.27	F	8	Volumes by shells	6.4	HW Lesson 6
Jan.30	M	9	Shell method		Quiz 3
Feb.1	W	10	covers Lessons 5, 6, 7	6.5, 6.6	HW Lesson 7
Feb.2	Th	×	Lengths of curves		
Feb.3	F	11	Surface area		
Feb.6	M	×	Physical applications	6.7	HW Lesson 8
Feb.7	Tu	Exam 1	Integration by parts	8.2	HW Lesson 9
Feb.8	W	×	Go over Study Guide for Exam 1		×
Feb.9	Th	Quiz 4	Trigonometric Integrals Part 1	8.3	HW Lesson 10
Feb.10	F	12	Review for Exam 1		×
Feb.13	M	13	covers Lessons 1 - 10, 6:30 PM - 7:30 PM		×
Feb.15	W	14	No Class		×
Feb.16	Th	Quiz 5	covers Lessons 8, 9, 10		Quiz 4
Feb.17	F	15	Trigonometric Integrals Part 2	8.3	HW Lesson 11
Feb.20	M	16	Trigonometric Substitutions Part 1	8.4	HW Lesson 12
Feb.22	W	17	Trigonometric Substitutions Part 2	8.4	HW Lesson 13
Feb.23	Th	Quiz 6	covers Lessons 11, 12, 13, 14		Quiz 5
Feb.24	F	18	Summary of Trig. Integ. & Trig. Sub.	8.1, 8.2, 8.3, 8.4	HW Lesson 14
Feb.27	M	19	Partial Fractions Part 1	8.5	HW Lesson 15
Mar.1	W	20	Partial Fractions Part 2	8.5	HW Lesson 16
Mar.2	Th	Quiz 7	covers Lessons 15, 16, 17		Quiz 6
Mar.3	F	21	Improper Integrals	8.9	HW Lesson 17
Mar.6	M	×	Sequence and its limit	10.1, 10.2	HW Lesson 18
Mar.7	Tu	Exam 2	Introduction to the Series	10.1, 10.3	HW Lesson 19
Mar.8	W	22	(Telescoping Series)		×
Mar.9	Th	Quiz 8	Go over Study Guide for Exam 2		×
Mar.10	F	23	Divergence Test	10.4	HW Lesson 20
Mar.13	M	×	Review for Exam 2		×
Mar.15	W	×	covers Lessons 11 - 20, 6:30 PM - 7:30 PM		×
Mar.16	Th	Quiz 9	Integral Test & p -series	10.5	HW Lesson 21
Mar.17	F	×	covers Lessons 18, 19, 20		Quiz 7
Mar.20	M	×	No Class		×
Mar.23	W	×	Spring Break		×
Mar.26	Th	×	Spring Break		×
Mar.29	F	×	Spring Break		×
Mar.30	F	×	Spring Break		×

MA 166 Assignment Sheet

Spring 2023 (Continued)

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Mar.20	M	23	Comparison Test Limit Comparison Test	10.5	HW Lesson 22
Mar.22	W	24	Alternating Series Test	10.6	HW Lesson 23
Mar.23	Th	Quiz 8	covers Lessons 21, 22, 23, 24		Quiz 8
Mar.24	F	25	Ratio Test & Root Test	10.7	HW Lesson 24
Mar.27	M	26	Choose a convergence test (general strategy)	10.8	HW Lesson 25
Mar.29	W	27	Taylor Series Part 1 (Approximating functions with polynomials)	11.1, 11.3	HW Lesson 26
Mar.30	Th	Quiz 9	covers Lessons 25, 26, 27		Quiz 9
Mar.31	F	28	Taylor Series Part 2	11.1, 11.3	HW Lesson 27
Apr. 3	M	29	Properties of Power Series Part 1	11.2	HW Lesson 28
Apr.5	W	30	Summary of Taylor Series & Applications	11.3, 11.4	HW Lesson 29
Apr.6	Th	×	Go over Study Guide for Exam 3		×
Apr.7	F	31	Properties of Power Series Part 2	11.2, 11.4	HW Lesson 30
Apr. 10	M	×	Review for Exam 3		×
Apr.11	Tu	Exam 3	covers Lessons 21 - 30, 6:30 PM - 7:30 PM		×
Apr.12	W	×	No Class		×
Apr.13	Th	Quiz 10	covers Lessons 28,29,30,31		Quiz 10
Apr.14	F	32	Polar Coordinates (Basics)	12.2	HW Lesson 31
Apr. 17	M	33	Calculus in polar coordinates Part 1	12.3	HW Lesson 32
Apr.19	W	34	Calculus in polar coordinates Part 2	12.3	HW Lesson 33
Apr.20	Th	Quiz 11	covers Lessons 32, 33, 34		Quiz 11
Apr.21	F	35	Summary of Polar Coordinates	12.2, 12.3	HW Lessons 34
Apr.24	M	×	Review for Final Exam		×
Apr.26	W	×	Review for Final Exam		×
Apr.27	Th	×	Review for Final Exam		×
Apr.28	F	×	Review for Final Exam		×