MA 166 Assignment Sheet   Spring 2024

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Jan.8	M	1	Vectors in the plane	13.1, 13.2	×
			Vectors in the 3-dimensional space		
Jan.10	W	2	Geometry in the plane	13.1, 13.2, 13.5	×
			Geometry in the 3-dimensional space		
Jan.11	Th	Quiz 1	covers Lessons 1, 2 (due Thurs., Jan.18)		×
Jan.12	F	3	Dot Products	13.3	
Jan.15	M	×	No Lesson (MLK Day)		×
Jan.17	W	4	Cross Products	13.4	
			Application of the cross product		HW Lessons 1,2,3
Jan.18	Th	Quiz 2	covers Lessons 3,4	6.2	Quiz 1 & Quiz 2
Jan.19	F	5	Area of the region between curves		HW Lesson 4
Jan.22	M	6	Volumes by slicing	6.3	HW Lesson 5
			Washer method		
Jan.24	W	7	Volumes by shells	6.4	HW Lesson 6
			Shell method		
Jan.25	Th	Quiz 3	covers Lessons 5, 6, 7		Quiz 3
Jan.26	F	8	Lengths of curves	6.5, 6.6	HW Lesson 7
			Surface area		
Jan.29	M	9	Physical applications	6.7	HW Lesson 8
Jan. 31	W	10	Integration by parts	8.2	HW Lesson 9
Feb.1	Th	×	Go over Study Guide for Exam 1		×
Feb.2	F	11	Trigonometric Integrals Part 1	8.3	HW Lesson 10
Feb.5	M	×	Review for Exam 1		×
Feb.6	Tu	**Exam 1**	**covers Lessons 1 - 10, 6:30 PM - 7:30 PM**		×
Feb.7	W	×	No Class		×
Feb.8	Th	Quiz 4	covers Lessons 8, 9, 10		Quiz 4
Feb.9	F	12	Trigonometric Integrals Part 2	8.3	HW Lesson 11
Feb.12	M	13	Trigonometric Substitutions Part 1	8.4	HW Lesson 12
Feb.14	W	14	Trigonometric Substitutions Part 2	8.4	HW Lesson 13
Feb.15	Th	Quiz 5	covers Lessons 11, 12, 13, 14		Quiz 5
Feb.16	F	15	Summary of Trig. Integ. & Trig. Sub.	8.1, 8.2, 8.3, 8.4	HW Lesson 14
Feb.19	M	16	Partial Fractions Part 1	8.5	HW Lesson 15
Feb.21	W	17	Partial Fractions Part 2	8.5	HW Lesson 16
Feb.22	Th	Quiz 6	covers Lessons 15, 16, 17		Quiz 6
Feb.23	F	18	Improper Integrals	8.9	HW Lesson 17
Feb.26	M	19	Sequence and its limit	10.1, 10.2	HW Lesson 18
Feb.28	W	20	Introduction to the Series	10.1, 10.3	HW Lesson 19
			(Telescoping Series)		
Feb.29	Th		Go over Study Guide for Exam 2		×
Mar.1	F	21	Divergence Test	10.4	HW Lesson 20
Mar.4	M	×	Review for Exam 2		×
Mar.5	Tu	**Exam 2**	**covers Lessons 11 - 20, 6:30 PM - 7:30 PM**		×
Mar.6	W	22	Integral Test & p-series	10.5	HW Lesson 21
Mar.7	Th	Quiz 7	covers Lessons 18, 19, 20		Quiz 7
Mar.8	F	×	No Class		×
Mar.11	M	×	Spring Break		×
Mar13	W	×	Spring Break		×
Mar.14	Th	×	Spring Break		×
Mar.15	F	×	Spring Break		×

MA 166 Assignment Sheet   Spring 2024 (Continued)

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Mar.18	M	23	Comparison Test	10.5	HW Lesson 22
			Limit Comparison Test		
Mar.20	W	24	Alternating Series Test	10.6	HW Lesson 23
Mar.21	Th	Quiz 8	covers Lessons 21, 22, 23, 24		Quiz 8
Mar.22	F	25	Ratio Test & Root Test	10.7	HW Lesson 24
Mar.25	M	26	Choose a convergence test	10.8	HW Lesson 25
			(general strategy)		
Mar.27	W	27	Taylor Series Part 1	11.1, 11.3	HW Lesson 26
			(Approximating functions with polynomials)		
Mar.28	Th	Quiz 9	covers Lessons 25, 26, 27		Quiz 9
Mar.29	F	28	Taylor Series Part 2	11.1, 11.3	HW Lesson 27
Apr.1	M	29	Properties of Power Series Part 1	11.2	HW Lesson 28
Apr.3	W	30	Summary of Taylor Series & Applications	11.3, 11.4	HW Lesson 29
Apr.4	Th	×	Go over Study Guide for Exam 3		×
Apr.5	F	31	Properties of Power Series Part 2	11.2, 11.4	HW Lesson 30
Apr.8	M	×	Review for Exam 3		×
Apr.9	Tu	**Exam 3**	**covers Lessons 21 - 30, 6:30 PM - 7:30 PM**		×
Apr.10	W	×	No Class		×
Apr.11	Th	Quiz 10	covers Lessons 28,29,30,31		Quiz 10
Apr.12	F	32	Polar Coordinates (Basics)	12.2	HW Lesson 31
Apr.15	M	33	Calculus in polar coordinates Part 1	12.3	HW Lesson 32
Apr.17	W	34	Calculus in polar coordinates Part 2	12.3	HW Lesson 33
Apr.18	Th	Quiz 11	covers Lessons 32, 33, 34		Quiz 11
Apr.19	F	35	Summary of Polar Coordinates	12.2, 12.3	HW Lessons 34
Apr.22	M	×	Review for Final Exam		×
Apr.24	W	×	Review for Final Exam		×
Apr.25	Th	×	Review for Final Exam		×
Apr.26	F	×	Review for Final Exam		×