

MA 166 PWL Assignment Sheet Spring 2025
(Version Jan.8, 2025)

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Jan.13	M	1	Vectors in the plane	13.1, 13.2	×
Jan.15	W	2	Vectors in the 3-dimensional space Geometry in the plane Geometry in the 3-dimensional space Lines and planes in space	13.1, 13.2, 13.5	×
Jan.16	Th	Quiz 1	covers Lessons 1, 2 (due Thurs., Jan.23)		×
Jan.17	F	3	Dot Products	13.3	
Jan.20	M	×	No Lesson (MLK Day)		×
Jan.22	W	4	Cross Products Application of the cross product	13.4	HW Lessons 1,2,3
Jan.23	Th	Quiz 2	covers Lessons 3,4	6.2	Quiz 1 & Quiz 2
Jan.24	F	5	Area of the region between curves		HW Lesson 4
Jan.27	M	6	Volumes by slicing Washer method	6.3	HW Lesson 5
Jan.29	W	7	Volumes by shells Shell method	6.4	HW Lesson 6
Jan.30	Th	Quiz 3	covers Lessons 5, 6, 7		Quiz 3
Jan.31	F	8	Lengths of curves Surface area	6.5, 6.6	HW Lesson 7
Feb.3	M	9	Physical applications	6.7	HW Lesson 8
Feb.5	W	10	Integration by parts	8.2	HW Lesson 9
Feb.6	Th	×	Go over Study Guide for Exam 1		×
Feb.7	F	11	Trigonometric Integrals Part 1	8.3	HW Lesson 10
Feb.10	M	×	Review for Exam 1		×
		Exam 1	covers Lessons 1 - 10, 8:00 PM - 9:00 PM		×
Feb.12	W	12	Trigonometric Integrals Part 2	8.3	HW Lesson 11
Feb.13	Th	Quiz 4	covers Lessons 8, 9, 10		Quiz 4
Feb.14	F	×	No Class		×
Feb.17	M	13	Trigonometric Substitutions Part 1	8.4	HW Lesson 12
Feb.19	W	14	Trigonometric Substitutions Part 2	8.4	HW Lesson 13
Feb.20	Th	Quiz 5	covers Lessons 11, 12, 13, 14		Quiz 5
Feb.21	F	15	Summary of Trig. Integ. & Trig. Sub.	8.1, 8.2, 8.3, 8.4	HW Lesson 14
Feb.24	M	16	Partial Fractions Part 1	8.5	HW Lesson 15
Feb.26	W	17	Partial Fractions Part 2	8.5	HW Lesson 16
Feb.27	Th	Quiz 6	covers Lessons 15, 16, 17		Quiz 6
Feb.28	F	18	Improper Integrals	8.9	HW Lesson 17
Mar.3	M	19	Sequence and its limit	10.1, 10.2	HW Lesson 18
Mar.5	W	20	Introduction to the Series (Telescoping Series)	10.1, 10.3	HW Lesson 19
Mar.6	Th		Go over Study Guide for Exam 2		×
Mar.7	F	21	Divergence Test	10.4	HW Lesson 20
Mar.10	M	×	Review for Exam 2		×
		Exam 2	covers Lessons 11 - 20, 6:30 PM - 7:30 PM		×
Mar.12	W	22	Integral Test & p -series	10.5	HW Lesson 21
Mar.13	Th	Quiz 7	covers Lessons 18, 19, 20		Quiz 7
Mar.14	F	×	No Class		×

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(continued)

Date	Day	Lesson	Topics to Cover	Section #	due HW, Quiz
Mar.17	M	×	Spring Break		×
Mar.19	W	×	Spring Break		×
Mar.20	Th	×	Spring Break		×
Mar.21	F	×	Spring Break		×
Mar.24	M	23	Comparison Test	10.5	HW Lesson 22
Mar.26	W	24	Limit Comparison Test	10.6	HW Lesson 23
Mar.27	Th	Quiz 8	Alternating Series Test		Quiz 8
Mar.28	F	25	covers Lessons 21, 22, 23, 24	10.7	HW Lesson 24
Mar.31	M	26	Ratio Test & Root Test	10.8	HW Lesson 25
Apr.2	W	27	Choose a convergence test (general strategy)	11.1, 11.3	HW Lesson 26
Apr.3	Th	Quiz 9	Taylor Series Part 1		Quiz 9
Apr.4	F	28	(Approximating functions with polynomials)	11.1, 11.3	HW Lesson 27
Apr. 7	M	29	covers Lessons 25, 26, 27	11.2	HW Lesson 28
Apr.9	W	30	Properties of Power Series Part 1	11.3, 11.4	HW Lesson 29
Apr.10	Th	×	Summary of Taylor Series & Applications		×
Apr.11	F	31	Go over Study Guide for Exam 3	11.2, 11.4	HW Lesson 30
Apr. 14	M	×	Properties of Power Series Part 2		×
Apr.16	W	×	Review for Exam 3		×
Apr.17	Th	Quiz 10	Exam 3 covers Lessons 21 - 30, 8:00 PM - 9:00 PM		Quiz 10
Apr.18	F	32	No Class	12.2	HW Lesson 31
Apr. 21	M	33	covers Lessons 28,29,30,31	12.3	HW Lesson 32
Apr.23	W	34	Polar Coordinates (Basics)	12.3	HW Lesson 33
Apr.24	Th	Quiz 11	Calculus in polar coordinates Part 1		Quiz 11
Apr.25	F	35	Calculus in polar coordinates Part 2	12.2, 12.3	HW Lessons 34
Apr.28	M	×	covers Lessons 32, 33, 34		×
Apr.30	W	×	Summary of Polar Coordinates		×
May 1	Th	×	Review for Final Exam		×
May 2	F	×	Review for Final Exam		×

Final Exam Week May 5 - May 10