

MA 166 PIN Le's Section Assignment Sheet
Spring 2025 (Version Jan. 5, 2025)

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

**MA 166 PIN Le's Section Assignment Sheet
Spring 2025 (continued)**

Date	Day	Title	Section # Topics	Lesson #	due MLM HW, Quiz
Mar. 17	M	×	Spring Break		×
Ma. 19	W	×	Spring Break		×
Mar. 21	F	×	Spring Break		×
Mar. 24	M	Lecture 18	10.5 Comparison Test Limit Comparison Test	23	HW Lesson 22
Mar. 26	W	Lecture 19	10.6 Alternating Series Test 10.7 Ratio Test & Root Test	24 25	HW Lesson 23
Mar. 28	F	Rec. 10	Quiz 8 covers Lessons 21, 22, 23, 24		HW Lesson 24, Quiz 8
Mar. 31	M	Lecture 20	10.8 Choose a convergence test (general theory)	26	HW Lesson 25
Apr. 2	W	Lecture 21	11.1, 11.3 Taylor Series Part 1 (Approximating functions with polynomials) Taylor Series Part 2	27 28	HW Lesson 26
Apr. 4	F	Rec. 11	Quiz 9 covers Lessons 25, 26, 27		HW Lesson 27, Quiz 9
Apr. 7	M	Lecture 22	11.2 Properties of Power Series Part 1 11.3, 11.4 Summary of Taylor Series & Applications	29 30	HW Lesson 28
Apr. 9	W	Lecture 23	11.2, 11.4 Properties of Power Series Part 2	31	HW Lesson 29
Apr. 11	F	Rec. 12	Quiz 10 covers Lessons 28, 29, 30, 31		HW Lesson 30, Quiz 10
Apr. 14	M	Lecture 24	12.2 Polar Coordinates (Basics)	32	HW Lesson 31
Apr. 16	W	Lecture 25	Review for Exam 3	×	×
Apr. 18	F	Rec. 12	Exam 3 covers Lessons 21-30		×
Apr. 21	M	Lecture 26	12.3 Calculus in Polar Coordinates Part 1 12.3 Calculus in Polar Coordinates Part 2	33 34	HW Lesson 32
Apr. 23	W	Lecture 27	12.2, 12.3 Summary of Polar Coordinates Complex Numbers	35	Lesson 33
Apr. 25	F	Rec. 13	Quiz 11 covers Lessons 32, 33, 34		HW Lesson 34, Quiz 11
Apr. 28	M	Lecture 26	Review for Final Exam	×	×
Apr. 30	W	Lecture 27	Review for Final Exam	×	×
May 2	F	Rec. 14	Review for Final Exam	×	×

Final Exam Week May 5 - May 10