

MA 166 PIN Matsuki's Section Assignment Sheet
Spring 2025 (Version Jan.5, 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	13.1, 13.2, 13.5	×
Jan.16	Th	Quiz 1	Geometry in the 3-dimensional space		×
Jan.17	F	3	Lines and planes in space covers Lessons 1, 2 (due Friday., Jan.24) 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		
Jan.24	F	5	Area of the region between curves	6.2	HW Lesson 4 Quiz 1 & Quiz 2
Jan.27	M	6	Volumes by slicing	6.3	HW Lesson 5
Jan.29	W	7	Washer method Volumes by shells	6.4	HW Lesson 6
Jan.30	Th	Quiz 3	Shell method covers Lessons 5, 6, 7		×
Jan.31	F	8	Lengths of curves Surface area	6.5, 6.6	HW Lesson 7 Quiz 3
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	Quiz 4	covers Lessons 8, 9, 10		×
Feb.7	F	11	Trigonometric Integrals Part 1	8.3	HW Lesson 10 Quiz 4
Feb.10	M	12	Trigonometric Integrals Part 2	8.3	HW Lesson 11
Feb.12	W	×	Review for Exam 1		×
Feb.13	Th	×	Go over Study Guide for Exam 1		×
Feb.14	F	Exam 1	covers Lessons 1 - 10		×
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		×
Feb.21	F	15	Summary of Trig. Integ. & Trig. Sub.	8.1, 8.2, 8.3, 8.4	HW Lesson 14 Quiz 5
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		×
Feb.28	F	18	Improper Integrals	8.9	HW Lesson 17 Quiz 6
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	Quiz 7	covers Lessons 18, 19, 20		×
Mar.7	F	21	Divergence Test	10.4	HW Lesson 20 Quiz 7
Mar.10	M	22	Integral Test & p -series	10.5	HW Lesson 21
Mar.12	W	×	Review for Exam 2		×
Mar.13	Th	×	Go over Study Guide for Exam 2		×
Mar.14	F	Exam 2	covers Lessons 11 - 20		×

MA 166 PIN Matsuki's Section Assignment Sheet
Spring 2025 (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		×
Mar.28	F	25	covers Lessons 21, 22, 23, 24 Ratio Test & Root Test	10.7	HW Lesson 24 Quiz 8
Mar.31	M	26	Choose a convergence test (general strategy)	10.8	HW Lesson 25
Apr.2	W	27	Taylor Series Part 1	11.1, 11.3	HW Lesson 26
Apr.3	Th	Quiz 9	(Approximating functions with polynomials)		×
Apr.4	F	28	covers Lessons 25, 26, 27 Taylor Series Part 2	11.1, 11.3	HW Lesson 27 Quiz 9
Apr. 7	M	29	Properties of Power Series Part 1	11.2	HW Lesson 28
Apr.9	W	30	Summary of Taylor Series & Applications	11.3, 11.4	HW Lesson 29
Apr.10	Th	Quiz 10	covers Lessons 28,29,30,31		×
Apr.11	F	31	Properties of Power Series Part 2	11.2, 11.4	HW Lesson 30 Quiz 10
Apr. 14	M	32	Polar Coordinates (Basics)	12.2	HW Lesson 31
Apr.16	W	×	Review for Exam 3		×
Apr.17	Th	×	Go over Study Guide for Exam 3		×
Apr.18	F	Exam 3	covers Lessons 21 - 30		×
Apr. 21	M	33	Calculus in polar coordinates Part 1	12.3	HW Lesson 32
Apr.23	W	34	Calculus in polar coordinates Part 2	12.3	HW Lesson 33
Apr.24	Th	Quiz 11	covers Lessons 32, 33, 34		×
Apr.25	F	35	Summary of Polar Coordinates Complex Numbers	12.2, 12.3	HW Lessons 34 Quiz 11
Apr.28	M	×	Review for Final Exam		×
Apr.30	W	×	Review for Final Exam		×
May 1	Th	×	Review for Final Exam		×
May 2	F	×	Review for Final Exam		×

Final Exam Week May 5 - May 10