

AMAT113 Calculus II Lecture Schedule (Fall 2025)

WEEK	DATE		HW Due Dates and Resources	
1	Mon	8/25	• Introduction and 1.1 Approximating Areas	PA1: Sums and Geometric Properties of Integrals
	Wed	8/27	• 1.2 The Definite Integral	
	Fri	8/29	• Quiz 1	
2	Mon	9/1	Classes suspended for Labor Day	
	Wed	9/3	• 1.3 The Fundamental Theorem of Calculus	PA2: Fundamental Theorem of Calculus
	Fri	9/5	• 1.4 Integration Formulas and the Net Change Theorem • Quiz 2	HW1 Secs. 1.1, 1.2 Due Wednesday 9/3
3	Mon	9/8	• 1.5 Substitution	PA3: Integration by Substitution
	Wed	9/10	• 1.6 Integrals Involving Exponential and Log Functions	HW2 Sec. 1.3, 1.4 Due Wednesday 9/10
	Fri	9/12	• 1.7 Integrals Resulting in Inverse Trig Functions • Quiz 3	
4	Mon	9/15	• 3.1 Integration by Parts	PA4: Integration by Parts
	Wed	9/17	• 2.1 Areas between Curve	PP5: Area Between Curves
	Fri	9/19	• Quiz 4	HW3 Sec. 1.5 - 1.7 Due Wednesday 9/17
5	Mon	9/22	• 2.2 Determining Volumes by Slicing	PA6: Determining Volumes
	Wed	9/24	• 2.3 Volumes of Revolution: Cylindrical Shells	HW4 Secs. 3.1, 2.1 Due Wednesday 9/24
	Fri	9/26	• Quiz 5	
6	Mon	9/29	• 2.3 Volumes of Revolution: Cylindrical Shells (Continued)	HW5 Secs. 2.2, 2.3 Due Wednesday 10/2
	Wed	10/1	• Catch Up and Review	
	Fri	10/3	Exam 1 Friday 10/3 in Class	
7	Mon	10/6	• 3.2 Trigonometric Integrals	PA7: Trigonometric Substitutions
	Wed	10/8	• 3.3 Trigonometric Substitution	
	Fri	10/10		
8	Mon	10/13	Classes suspended for Fall Break	
	Wed	10/15	• 3.4 Partial Fractions	PA8: Partial Fractions
	Fri	10/17	• 3.7 Improper Integrals • Quiz 6	PA9 Improper Integrals HW6 Secs. 3.2 - 3.3 Due Wednesday 10/15
9	Mon	10/20	• 5.1 Sequences	PA10 Sequences
	Wed	10/22	• 5.2 Infinite Series	PA11 Infinite Series
	Fri	10/24	• 5.3 The Divergence and Integral Tests • Quiz 7	PA12 The Divergence and Integral Tests HW7 Secs. 3.4, 3.7 Due Wednesday 10/22
10	Mon	10/27	• 5.4 Comparison Tests	PA13 Comparison Tests
	Wed	10/29	• Catch Up and Review	HW8 Due Secs. 5.1 - 5.4 Due Wednesday 10/29
	Fri	10/31	Exam 2 Friday 10/31 in Class	
11	Mon	11/3	• 5.5 Alternating Series	PA14 Alternating Series
	Wed	11/5	• 5.6 Ratio and Root Tests	PA15 Ratio and Root Tests
	Fri	11/7	• 6.1 Power Series and Functions	PA16: Power Series and Functions
12	Mon	11/10	• 6.2 Properties of Power Series	PA17: Differentiation and Integration of Power Series
	Wed	11/12	• 6.3 Taylor and Maclaurin Series	PA18: Taylor and Maclaurin Series
	Fri	11/14	• Quiz 8	HW9 Secs. 5.5, 5.6 Due Wednesday 11/12
13	Mon	11/17	• 6.3 Taylor and Maclaurin Series (continued)	HW10 Secs. 6.1 - 6.3 Due Wednesday 11/19
	Wed	11/19	• Catch Up and Review	
	Fri	11/21	• Quiz 9	
14	Mon	11/24	Exam 3 Monday 11/24 in Class	
	Wed	11/26	Classes suspended for Thanksgiving Break	
	Fri	11/28		
15	Mon	12/2	• 7.1 Parametric Equations	PA19: Parametric Equations
	Wed	12/4	• 7.2 Calculus of Parametric Curves	HW11 Secs. 7.1 -7.3 Due *Tuesday 12/10
	Fri	12/6	• 7.3 Polar Coordinates	
16	Mon	12/9	• Quiz 10 + Catch Up and Review	
OPTIONAL FINAL EXAM (Cumulative) date to be announce by the Registrar				