

AMAT113 Calculus II Lecture Schedule (Spring 2026)

WEEK	DATE	Online HW Due Dates	
1	W 1/21	<ul style="list-style-type: none"> • 1.1 Approximating Areas 	PA1: Sums and Geometric Properties of Integrals
	Th 1/22	<ul style="list-style-type: none"> • 1.2 The Definite Integral 	
2	T 1/27	<ul style="list-style-type: none"> • 1.2 The Definite Integral (Continued) 	PA2: Fundamental Theorem of Calculus HW1 Secs. 1.1, 1.2 Due Friday 1/30
	W 1/28	<ul style="list-style-type: none"> • 1.3 The Fundamental Theorem of Calculus 	
	Th 1/29	<ul style="list-style-type: none"> • Quiz 1 (Secs. 1.1, 1.2) 	
3	T 2/3	<ul style="list-style-type: none"> • 1.4 Integration Formulas and the Net Change Theorem 	PA3: Integration by Substitution HW2 Sec. 1.3, 1.4 Due Friday 2/6
	W 2/4	<ul style="list-style-type: none"> • 1.5 Substitution 	
	Th 2/5	<ul style="list-style-type: none"> • 1.6 Integrals Involving Exponential and Log Functions • Quiz 2 (Sec. 1.3) 	
4	T 2/10	<ul style="list-style-type: none"> • 1.7 Integrals Resulting in Inverse Trig Functions 	PA6: Integration by Parts HW3 Sec. 1.5, 1.6, 1.7 Due Friday 2/13
	W 2/11	<ul style="list-style-type: none"> • 3.1 Integration by Parts 	
	Th 2/12	<ul style="list-style-type: none"> • 3.1 Integration by Parts (Continued) • Quiz 3 (Sec. 1.4, 1.5, 1.6) 	
5	T 2/17	<ul style="list-style-type: none"> • 2.1 Areas between Curve 	PA4: Area Between Curves PA5: Determining Volumes HW4 Secs. 2.1, 3.1 Due Friday 2/20
	W 2/18	<ul style="list-style-type: none"> • 2.2 Determining Volumes by Slicing 	
	Th 2/19	<ul style="list-style-type: none"> • 2.2 Determining Volumes by Slicing (Continued) • Quiz 4 (Sec. 1.7, 3.1) 	
6	T 2/24	<ul style="list-style-type: none"> • 2.3 Volumes of Revolution: Cylindrical Shells 	HW5 Secs. 2.2, 2.3 Due Wednesday 2/25
	W 2/25	<ul style="list-style-type: none"> • Catch Up and Review 	
	Th 2/26	Exam 1 in Class Thursday 2/26	
7	T 3/3	<ul style="list-style-type: none"> • 3.2 Trigonometric Integrals 	PA7: Trigonometric Substitutions
	W 3/4	<ul style="list-style-type: none"> • 3.3 Trigonometric Substitution 	
	Th 3/5	<ul style="list-style-type: none"> • 3.3 Trigonometric Substitution (Continued) 	
8	T 3/10	<ul style="list-style-type: none"> • 3.4 Partial Fractions 	PA8: Partial Fractions PA9: Improper Integrals HW6 Secs. 3.2, 3.3 Due Friday 3/13
	W 3/11	<ul style="list-style-type: none"> • 3.7 Improper Integrals 	
	Th 3/12	<ul style="list-style-type: none"> • 3.7 Improper Integrals (Continued) • Quiz 5 (Sec. 3.2, 3.3) 	
9	T 3/17	Spring Break (Classes Suspended)	
	W 3/18		
	Th 3/19		
10	T 3/24	<ul style="list-style-type: none"> • 5.1 Sequences 	PA10 Sequences PA11 Infinite Series HW7 Secs. 3.4, 3.7 Due Friday 3/27
	W 3/25	<ul style="list-style-type: none"> • 5.2 Infinite Series 	
	Th 3/26	<ul style="list-style-type: none"> • 5.3 The Divergence and Integral Tests • Quiz 6 (Sec. 3.4, 3.7) 	
11	T 3/31	<ul style="list-style-type: none"> • The Divergence and Integral Tests (Continued) 	PA12 The Divergence and Integral Tests HW8 Secs. 5.1 - 5.3 Due Wednesday 4/1
	W 4/1	<ul style="list-style-type: none"> • Catch Up and Review 	
	Th 4/2	Exam 2 in Class Thursday 4/2	
12	T 4/7	<ul style="list-style-type: none"> • 5.4 Comparison Tests 	PA13 Comparison Tests PA14 Alternating Series PA15 Ratio and Root Tests
	W 4/8	<ul style="list-style-type: none"> • 5.5 Alternating Series 	
	Th 4/9	<ul style="list-style-type: none"> • 5.6 Ratio and Root Tests 	
13	T 4/14	<ul style="list-style-type: none"> • 6.1 Power Series and Functions 	PA16: Power Series and Functions PA17: Differentiation and Integration of Power Series HW9 Secs. 5.4 - 5.6 Due Friday 4/17
	W 4/15	<ul style="list-style-type: none"> • 6.2 Properties of Power Series 	
	Th 4/16	<ul style="list-style-type: none"> • 6.3 Taylor and Maclaurin Series • Quiz 7 (Sec. 5.4, 5.5, 5.6) 	
14	T 4/21	<ul style="list-style-type: none"> • 6.3 Taylor and Maclaurin Series (Continued) 	PA18: Taylor and Maclaurin Series HW10 Secs. 6.1 - 6.3 Due Wednesday 4/22
	W 4/22	<ul style="list-style-type: none"> • Catch Up and Review 	
	Th 4/23	Exam 3 in Class Thursday 4/23	
15	T 4/28	<ul style="list-style-type: none"> • 7.1 Parametric Equations (Arc Length as an application) 	PA19: Parametric Equations PA20: Arc Length
	W 4/29	<ul style="list-style-type: none"> • 7.2 Calculus of Parametric Curves 	
	Th 4/30	<ul style="list-style-type: none"> • 7.2 Calculus of Parametric Curves (Continued) 	
16	T 5/5	<ul style="list-style-type: none"> • 7.3 Polar Coordinates 	HW11 (Optional) Secs. 7.1 - 7.3 Due Thursday 5/7
OPTIONAL DEPARTMENTAL FINAL EXAM (Date to be announce by the Registrar)			