

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