AMAT113 Calculus II Lecture Schedule (Spring 2026)

WEEK		DATE		Online HW Due Dates
1	W	1/21	● 1.1 Approximating Areas	PA1: Sums and Geometric Properties of Integrals
	F	1/24	● 1.2 The Definite Integral	
2	M	1/26	● 1.2 The Definite Integral (Continued)	
	W	1/28	● 1.3 The Fundamental Theorem of Calculus	PA2: Fundamental Theorem of Calculus
	F	1/30	● Quiz 1 (Secs. 1.1, 1.2)	HW1 Secs. 1.1, 1.2 Due Friday 1/30
3	M	2/2	● 1.4 Integration Formulas and the Net Change Theorem	
	W	2/4	● 1.5 Substitution	PA3: Integration by Substitution
	F	2/6	● 1.6 Integrals Involving Exponential and Log Functions	HW2 Sec. 1.3, 1.4 Due Friday 2/6
			● Quiz 2 (Sec. 1.3)	
4	M	2/9	● 1.7 Integrals Resulting in Inverse Trig Functions	
	W	2/11	● 3.1 Integration by Parts	PA6: Integration by Parts
	F	2/13	● 3.1 Integration by Parts (Continued)	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	● 2.1 Areas between Curve	PA4: Area Between Curves
	W	2/18	● 2.2 Determining Volumes by Slicing	PA5: Determining Volumes
	F	2/20	● 2.2 Determining Volumes by Slicing (Continued)	HW4 Secs. 2.1, 3.1 Due Friday 2/20
			● Quiz 4 (Sec. 1.7, 3.1)	
6	M	2/23	● 2.3 Volumes of Revolution: Cylindrical Shells	
	W	2/25	● Catch Up and Review	*HW5 Secs. 2.2, 2.3 Due Wednesday 2/25*
	F	**2/27**	**Exam 1 in Class Friday 2/27**	
7	M	3/2	● 3.2 Trigonometric Integrals	
	W	3/4	● 3.3 Trigonometric Substitution	PA7: Trigonometric Substitutions
	F	3/6	● 3.3 Trigonometric Substitution (Continued)	
8	M	3/9	● 3.4 Partial Fractions	PA8: Partial Fractions
	W	3/11	● 3.7 Improper Integrals	PA9 Improper Integrals
	F	3/13	● 3.7 Improper Integrals (Continued)	HW6 Secs. 3.2, 3.3 Due Friday 3/13
			● Quiz 5 (Sec. 3.2, 3.3)	
9	**M**	**3/16**	**Spring Break (Classes Suspended)**	
	W	**3/18**		
	F	**3/20**		
10	M	3/23	● 5.1 Sequences	PA10 Sequences
	W	3/25	● 5.2 Infinite Series	PA11 Infinite Series
	F	3/27	● 5.3 The Divergence and Integral Tests	HW7 Secs. 3.4, 3.7 Due Friday 3/27
			● Quiz 6 (Sec. 3.4, 3.7)	
11	M	3/30	● The Divergence and Integral Tests (Continued)	PA12 The Divergence and Integral Tests
	W	4/1	● Catch Up and Review	*HW8 Secs. 5.1 - 5.3 Due Wednesday 4/1*
	F	**4/3**	**Exam 2 In Class Friday 4/3**	
12	M	4/6	● 5.4 Comparison Tests	PA13 Comparison Tests
	W	4/8	● 5.5 Alternating Series	PA14 Alternating Series
	F	4/10	● 5.6 Ratio and Root Tests	PA15 Ratio and Root Tests
13	M	4/13	● 6.1 Power Series and Functions	PA16: Power Series and Functions
	W	4/15	● 6.2 Properties of Power Series	PA17: Differentiation and Integration of Power Series
	F	4/17	● 6.3 Taylor and Maclaurin Series	HW9 Secs. 5.4 - 5.6 Due Friday 4/17
			● Quiz 7 (Sec. 5.4, 5.5, 5.6)	
14	M	4/20	● 6.3 Taylor and Maclaurin Series (Continued)	PA18: Taylor and Maclaurin Series
	W	4/22	● Catch Up and Review	*HW10 Secs. 6.1 - 6.3 Due Wednesday 4/22*
	F	4/24	**Exam 3 In Class Friday 4/24**	
15	M	4/27	● 7.1 Parametric Equations (Arc Length as an application)	PA19: Parametric Equations
	W	4/29	● 7.2 Calculus of Parametric Curves	
	F	5/1	● 7.2 Calculus of Parametric Curves (Continued)	PA20: Arc Length
16	M	5/4	● 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)	