AMAT100 Pre-Calculus Lecture Schedule (Spring 2026)

WEEK	DATE			Resources
1	Th	1/22	● Introduction and 1.1 Functions and Function Notation	Practice Problems: Functions and Function Notation
2	T	1/27	● 1.2 Domain and Range (and Piecewise-defined functions)	Practice Problems: Domain of a Function
	Th	1/29	● 1.3 Rates of Change and Behavior of Graphs ● Quiz 1 (Secs. 1.1, 1.2)	Practice Problems: Rates of Change and Behavior of Graphs HW1 Secs. 1.1, 1.2 Due Sunday 2/1
3	T	2/3	● 1.3 Rates of Change and Behavior of Graphs (Continued)	
	Th	2/5	● 1.4 Composition of Functions ● Quiz 2 (Sec. 1.3)	Practice Problems: Composition Functions HW2 Secs. 1.2, 1.3 Due Sunday 2/8
4	T	2/10	● 1.5 Transformation of Functions	Practice Problems: Transformation of Functions
	Th	2/12	● 1.6 Absolute Value Functions ● Quiz 3 (Sec. 1.4)	HW3 Secs. 1.4, 1.5 Due Sunday 2/15
5	T	2/17	● 1.7 Inverse Functions	Practice Problems: Inverse Functions
	Th	2/19	● Catch Up and Review	HW4 Secs. 1.6, 1.7 Due Sunday 2/22
6	**T**	**2/24**	**Exam 1 in Class Tuesday 2/24**	
	Th	2/26	● 2.1 Linear Functions	Practice Problems: Linear Functions
7	T	3/3	● 2.2 Graphs of Linear Functions	Practice Problems: Quadratic Functions
	Th	3/5	● 3.2 Quadratic Functions	HW5 Secs. 2.1, 2.2 Due Sunday 3/8
8	T	3/10	● 3.3 Power Functions and Polynomial Functions	
	Th	3/12	● 3.4 Graphs of Polynomial Functions and 3.8 Inverses and Radical Functions ● Quiz 4 (Sec. 2.1, 2.2, 3.2)	Practice Problems: Power and Polynomial Functions HW6 Sec. 3.2, 3.3 Due Sunday 3/15
9	**T** **Th**	**3/17** **3/19**	**Spring Break (Classes Suspended)**	
10	T	3/24	● 3.7 Rational Functions	Practice Problems: Rational Functions
	Th	3/26	● 4.1 Exponential Functions and 4.2 Graphs of Exponential Functions ● Quiz 5 (Secs. 3.3, 3.4)	Practice Problems: Exponential Functions HW7 Secs. 3.4, 3.7, 3.8 Due Sunday 3/29
11	T	3/31	● 4.3 Logarithmic Functions and 4.4 Graphs of Logarithmic Functions	
	Th	4/2	● 4.5 Logarithmic Properties ● Quiz 6 (Sec. 3.7)	Practice Problems: Logarithmic Functions and Properties of Logs HW8 Secs. 4.1-4.4 Due Sunday 4/5
12	T	4/7	● 4.6 Exponential and Logarithmic Equations	Practice Problems: Exponential and Logarithmic Equations
	Th	4/9	● Catch Up and Review	HW9 Secs. 4.5, 4.6 Due Sunday 4/12
13	**T**	**4/14**	**Exam 2 in Class Tuesday 4/14**	
	Th	4/16	● 6.1 Graphs of the Sine and Cosine Functions (Review Secs. 5.1, 5.2)	Practice Problems: Trignometry Review
14	T	4/21	● 6.2 Graphs of the Other Trigonometric Functions (Review Sec. 5.3)	Practice Problems: Graphs of Sine and Cosine Functions
	Th	4/23	● 6.3 Inverse Trigonometric Functions (Review Sec. 5.4)	Practice Problems: Inverse Trig Functions
15	T	4/28	● 6.3 Inverse Trigonometric Functions (Continued) ● 7.1 Simplifying and Verifying Trigonometric Identities	Practice Problems: Trig Identities and Equations
	Th	4/30	● Quiz 7 (Secs. 6.1, 6.2, 6.3)	HW10 Secs. 6.1-6.3 Due Sunday 5/3
16	T	5/5	● 7.2 Sum and Difference Identities ● 7.3 Double-Angle, Half-Angle, and Reduction Formulas	Practice Problems: Trig Identities and Equations *HW11 Secs. 7.1-7.3 Due Thursday 5/7*
			FINAL EXAM (Cumulative) date announced by the Registrar	