

AMAT100 Pre-Calculus Lecture Schedule (Spring 2026)

WEEK	DATE	Resources
1	W 1/21	• Introduction and 1.1 Functions and Function Notation Practice Problems: Functions and Function Notation
2	M 1/26 W 1/28	• 1.2 Domain and Range (and Piecewise-defined functions) • 1.3 Rates of Change and Behavior of Graphs • Quiz 1 (Secs. 1.1, 1.2) Practice Problems: Domain of a Function Practice Problems: Rates of Change and Behavior of Graphs HW1 Secs. 1.1, 1.2 Due Sunday 2/1
3	M 2/2 W 2/4	• 1.3 Rates of Change and Behavior of Graphs (Continued) • 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	M 2/9 W 2/11	• 1.5 Transformation of Functions • 1.6 Absolute Value Functions • Quiz 3 (Sec. 1.4) Practice Problems: Transformation of Functions HW3 Secs. 1.4, 1.5 Due Sunday 2/15
5	M 2/16 W 2/18	• 1.7 Inverse Functions • Catch Up and Review Practice Problems: Inverse Functions HW4 Secs. 1.6, 1.7 Due Sunday 2/22
6	M 2/23 W 2/25	Exam 1 in Class Monday 2/23 • 2.1 Linear Functions Practice Problems: Linear Functions
7	M 3/2 W 3/4	• 2.2 Graphs of Linear Functions • 3.2 Quadratic Functions Practice Problems: Quadratic Functions HW5 Secs. 2.1, 2.2 Due Sunday 3/8
8	M 3/9 W 3/11	• 3.3 Power Functions and Polynomial Functions • 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	M 3/16 W 3/18	Spring Break (Classes Suspended)
10	M 3/23 W 3/25	• 3.7 Rational Functions • 4.1 Exponential Functions and 4.2 Graphs of Exponential Functions • Quiz 5 (Secs. 3.3, 3.4) Practice Problems: Rational Functions Practice Problems: Exponential Functions HW7 Secs. 3.4, 3.7, 3.8 Due Sunday 3/29
11	M 3/30 W 4/1	• 4.3 Logarithmic Functions and 4.4 Graphs of Logarithmic Functions • 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	M 4/6 W 4/8	• 4.6 Exponential and Logarithmic Equations Practice Problems: Exponential and Logarithmic Equations HW9 Secs. 4.5, 4.6 Due Sunday 4/12
13	M 4/13 W 4/15	Exam 2 in Class Monday 4/13 • 6.1 Graphs of the Sine and Cosine Functions (Review Secs. 5.1, 5.2) Practice Problems: Trigonometry Review
14	M 4/20 W 4/22	• 6.2 Graphs of the Other Trigonometric Functions (Review Sec. 5.3) • 6.3 Inverse Trigonometric Functions (Review Sec. 5.4) Practice Problems: Graphs of Sine and Cosine Functions Practice Problems: Inverse Trig Functions
15	M 4/27 W 4/29	• 6.3 Inverse Trigonometric Functions (Continued) • 7.1 Simplifying and Verifying Trigonometric Identities • Quiz 7 (Secs. 6.1, 6.2, 6.3) Practice Problems: Trig Identities and Equations HW10 Secs. 6.1-6.3 Due Sunday 5/3
16	M 5/4	• 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