AMAT112: Calculus I

Lecture & Assessment Schedule — Fall 2026 (Mon/Tue/Thu)

Key: ☐ = Self-tracking checkbox **[QUIZ]** = In-Class Quizzes **[EXAM]** = In-Class Exams

Week	Date	Lecture Topic & Sections	Quizzes & Exams	Homework Deadlines (11:59 PM)
Week 1	M 8/24	Course Intro & §2.1 Preview of Calculus		☐ *Review Syllabus & Brightspace Portal*
	T 8/25	§1.1 Review of Functions		
	Th 8/27	§1.2 Basic Classes of Functions		
Week 2	M 8/31	§2.2 The Limit of a Function		
	T 9/1	§2.3 The Limit Laws		
	Th 9/3	§4.6 Limits at Infinity & Asymptotes	**[QUIZ 1]** (§1.1, §1.2)	☐ **HW1 Due:** Sun 9/6 (§1.1, §1.2)
Week 3	M 9/7	***No Class*** — *Labor Day*		
	T 9/8	§4.6 Limits at Infinity (Continued)		
	Th 9/10	§2.4 Continuity		☐ **HW2 Due:** Sun 9/13 (§2.2, §2.3, §4.6)
Week 4	M 9/14	§2.4 Continuity (Continued)		
	T 9/15	§3.1 Defining the Derivative		
	Th 9/17	§3.2 Derivative as a Function (Part 1)	**[QUIZ 2]** (§2.2–§2.4)	
Week 5	M 9/21	§3.2 Derivative as a Function (Part 2)		
	T 9/22	Catch-Up & Exam 1 Review		☐ **HW3 Due: Wed 9/23** (§2.4, §3.1, §3.2) *(Early deadline before exam)*
	Th 9/24	**EXAM 1 TESTING**	**[EXAM 1]** (In-Class)	*Covers Chapters 1, 2, & §3.1–3.2*
Week 6	M 9/28	§3.3 Differentiation Rules		
	T 9/29	§3.3 Differentiation Rules		
	Th 10/1	§3.5 Derivatives of Trig Functions	**[QUIZ 3]** (§3.2, §3.3)	☐ **HW4 Due:** Sun 10/4 (§3.2, §3.3)
Week 7	M 10/5	§3.6 The Chain Rule		
	T 10/6	Practice & Problem Session		
	Th 10/8	§3.8 Implicit Differentiation		☐ **HW5 Due:** Sun 10/11 (§3.5, §3.6)
Week 8	M 10/12	***No Class*** — *Fall Break*		
	T 10/13	***No Class*** — *Fall Break*		
	Th 10/15	§3.7 Derivatives of Inverse Functions	**[QUIZ 4]** (§3.6, §3.8)	
Week 9	M 10/19	§3.9 Derivatives of Exp & Log Functions		
	T 10/20	Catch-Up & Exam 2 Review		☐ **HW6 Due: Wed 10/21** (§3.7, §3.8, §3.9) *(Early deadline before exam)*
	Th 10/22	**EXAM 2 TESTING**	**[EXAM 2]** (In-Class)	*Covers Chapter 3 Differentiation*
Week 10	M 10/26	§4.2 Linear Approximations & Differentials		
	T 10/27	§4.4 The Mean Value Theorem		
	Th 10/29	§4.3 Maxima and Minima		☐ **HW7 Due:** Sun 11/1 (§4.2, §4.4)
Week 11	M 11/2	§4.3 Maxima and Minima (Continued)		
	T 11/3	§4.5 Derivatives & Shape of a Graph		
	Th 11/5	§4.6 Curve Sketching & Graph Analysis	**[QUIZ 5]** (§4.2, §4.4)	☐ **HW8 Due:** Sun 11/8 (§4.3, §4.5)
Week 12	M 11/9	§4.8 L'Hôpital's Rule		
	T 11/10	§4.8 L'Hôpital's Rule (Continued)		
	Th 11/12	§4.7 Applied Optimization Problems	**[QUIZ 6]** (§4.5, §4.6, §4.8)	☐ **HW9 Due:** Sun 11/15 (§4.6, §4.8)
Week 13	M 11/16	§4.7 Applied Optimization (Continued)		
	T 11/17	§4.10 Antiderivatives		
	Th 11/19	Practice & Problem Session		
Week 14	M 11/23	Catch-Up & Exam 3 Review		☐ **HW10 Due: Mon 11/23** (§4.7, §4.10) *(Early deadline before exam)*
	T 11/24	**EXAM 3 TESTING**	**[EXAM 3]** (In-Class)	*Covers Chapter 4 Applications*
	Th 11/26	***No Class*** — *Thanksgiving Break*		
Week 15	M 11/30	§5.1 Approximating Areas		
	T 12/1	§5.2 The Definite Integral		
	Th 12/3	§5.3 Fundamental Theorem of Calculus		
Week 16	M 12/7	*No Lecture — Final Exam Review / Catch-Up*		☐ **HW11 Due: Fri 12/11** (§5.1, §5.2, §5.3)

OPTIONAL FINAL EXAM (Cumulative) — Date, Time, and Location to be Announced by the Office of the Registrar