

Syllabus for MATH 110 Calculus I 202610

Edward Doolittle

January 6, 2026

The following syllabus is subject to change. Please note that the syllabus continues on page 2.

Date	Event	Details
Monday, January 5, 2026	MATH 110 Lab 0	No Lab; Course Opens
Tuesday, January 6, 2026	MATH 110 Review 0.1	Review of Algebra
Tuesday, January 6, 2026	MATH 110 Review 0.A	Review of Inequalities and Absolute Values
Tuesday, January 6, 2026	MATH 110 Review 0.B	Review of Coordinate Geometry and Lines
Thursday, January 8, 2026	MATH 110 Review 0.C	Review of Graphs of Second Degree Equations
Thursday, January 8, 2026	MATH 110 Review 0.D	Review of Trigonometry
Thursday, January 8, 2026	MATH 110 Review 1.1	Review of Functions
Monday, January 12, 2026	MATH 110 Lab 1	Quiz 0: STACK, Onboarding
Tuesday, January 13, 2026	MATH 110 Lecture 1.4	The Tangent and Velocity Problems
Thursday, January 15, 2026	MATH 110 Lecture 1.5	The Limit of a Function
Monday, January 19, 2026	MATH 110 Lab 2	Quiz 1: Review
Tuesday, January 20, 2026	MATH 110 Lecture 1.6	Calculating Limits Using the Limit Laws
(Not covered)	MATH 110 Lecture 1.7	The Precise Definition of a Limit
Thursday, January 22, 2026	MATH 110 Lecture 1.8	Continuity
Monday, January 26, 2026	MATH 110 Lab 3	Quiz 2: Sections 1.4, 1.5
Tuesday, January 27, 2026	MATH 110 Lecture 2.1	Derivatives and Rates of Change
Thursday, January 29, 2026	MATH 110 Lecture 2.2	The Derivative as a Function
Monday, February 2, 2026	MATH 110 Lab 4	Midterm: Review, Chapter 1
Tuesday, February 3, 2026	MATH 110 Lecture 2.3	Differentiation Formulas
Thursday, February 5, 2026	MATH 110 Lecture 2.4	Derivatives of Trigonometric Functions
Monday, February 9, 2026	MATH 110 Lab 5	Quiz 3: Sections 2.1, 2.2
Tuesday, February 10, 2026	MATH 110 Lecture 2.5	The Chain Rule
Thursday, February 12, 2026	MATH 110 Lecture 2.6	Implicit Differentiation
Monday, February 23, 2026	MATH 110 Lab 6	Quiz 4: Sections 2.3, 2.4
Tuesday, February 24, 2026	MATH 110 Lecture 2.7	Rates of Change in the Natural and Social Sciences
Thursday, February 26, 2026	MATH 110 Lecture 2.8	Related Rates
Monday, March 2, 2026	MATH 110 Lab 7	Quiz 5: Sections 2.5, 2.6
Tuesday, March 3, 2026	MATH 110 Lecture 3.1	Maximum and Minimum Values
Thursday, March 5, 2026	MATH 110 Lecture 3.2	The Mean Value Theorem
Monday, March 9, 2026	MATH 110 Lab 8	Midterm: Chapter 2
Tuesday, March 10, 2026	MATH 110 Lecture 3.3	How Derivatives Affect the Shape of a Graph
Thursday, March 12, 2026	MATH 110 Lecture 3.4	Limits at Infinity; Horizontal Asymptotes
Monday, March 16, 2026	MATH 110 Lab 9	Quiz 6: Sections 3.1, 3.2
Tuesday, March 17, 2026	MATH 110 Lecture 3.5	Summary of Curve Sketching
Thursday, March 19, 2026	MATH 110 Lecture 3.7	Optimization Problems
Monday, March 23, 2026	MATH 110 Lab 10	Quiz 7: Sections 3.3, 3.4

Date	Event	Details
Tuesday, March 24, 2026	MATH 110 Lecture 4.1	Areas and Distances
Thursday, March 26, 2026	MATH 110 Lecture 4.2	The Definite Integral
Monday, March 30, 2026	MATH 110 Lab 11	Quiz 8: Sections 3.5, 3.7
Tuesday, March 31, 2026	MATH 110 Lecture 4.3	The Fundamental Theorem of Calculus
Thursday, April 2, 2026	MATH 110 Lecture 4.4	Indefinite Integrals and the Net Change Theorem
Monday, April 6, 2026	MATH 110 Lab 12	Quiz 9: Sections 4.1, 4.2
Tuesday, April 7, 2026	MATH 110 Lecture 4.5	The Substitution Rule
Thursday, April 9, 2026	MATH 110 Lecture 5.1	Areas Between Curves
Monday, April 13, 2026	MATH 110 Review Lab	Bonus Quiz 10: Sections 4.3, 4.4
Tuesday, April 14, 2026	MATH 110 Review Class	Answer Questions, Review for Exam
Thursday, April 16, 2026	MATH 110 Final Exam	Comprehensive Exam: All Sections