

MATH 105 - Fall 2026 Monthly Calendar

September 2026

Calculus with Algebra • Regular deadlines: HW Mon/Fri 11:55 p.m.; worksheet Thu 11:55 p.m.; online quiz Sun 11:55 p.m. • Midterms replace Friday HW

Office hours - Seeley Mudd 302: Mon 2:30-3:30 Wed 2:30-3:30 Thu 1:30-3:30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 X	2 Algebra under the calculus Real line, intervals, x, circles, slope OH 2:30-3:30 - SM 302	3 Workshop zero: orientation / optional algebra review OH 1:30-3:30 - SM 302	4 Lines, intervals, absolute value Point-slope and slope-intercept forms HW due 11:55 p.m.	5 X
6 Online quiz due 11:55 p.m.	7 Functions Domain/range, evaluation HW due 11:55 p.m. OH 2:30-3:30 - SM 302	8 X	9 Piecewise functions Graphing; piecewise functions OH 2:30-3:30 - SM 302	10 Worksheet 1: Algebra meets functions Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	11 Shift, reflect, compose Transformations and composition HW due 11:55 p.m.	12 X
13 Online quiz due 11:55 p.m.	14 Composition and limits Finish composition; introduce limits HW due 11:55 p.m. OH 2:30-3:30 - SM 302	15 X	16 Left and right limits One-sided / two-sided limits; limit theorem OH 2:30-3:30 - SM 302	17 Worksheet 2: Factor, sketch, approach Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	18 When limits blow up $0^+/0^-$; infinite limits; vertical asymptotes HW due 11:55 p.m.	19 X
20 Online quiz due 11:55 p.m.	21 Limit-law toolkit Direct substitution; factor and cancel HW due 11:55 p.m. OH 2:30-3:30 - SM 302	22 X	23 Conjugates and cancellations Radicals; common denominators OH 2:30-3:30 - SM 302	24 Worksheet 3: Read the graph Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	25 Continuity: no jumps Continuity at a point and on an interval HW due 11:55 p.m.	26 X
27 Online quiz due 11:55 p.m.	28 Continuity under the microscope Discontinuities; IVT if time HW due 11:55 p.m. OH 2:30-3:30 - SM 302	29 X	30 Midterm 1 review Algebra, functions, limits, continuity OH 2:30-3:30 - SM 302			

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October 2026

Calculus with Algebra • Regular deadlines: HW Mon/Fri 11:55 p.m.; worksheet Thu 11:55 p.m.; online quiz Sun 11:55 p.m. • Midterms replace Friday HW

Office hours - Seeley Mudd 302: Mon 2:30-3:30 Wed 2:30-3:30 Thu 1:30-3:30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1 Worksheet 4: Dress rehearsal Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	2 Midterm 1 (tentative) Foundations through continuity	3 X
4 Online quiz due 11:55 p.m.	5 The derivative arrives Secants, tangents, average / instantaneous rate HW due 11:55 p.m. OH 2:30-3:30 - SM 302	6 X	7 Slope from a limit Limit definition; differentiability OH 2:30-3:30 - SM 302	8 Worksheet 5: Tangents in training Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	9 Derivative rules Power, sum, difference; tangent lines HW due 11:55 p.m.	10 X
11 Online quiz due 11:55 p.m.	12 Holiday - no class HW due 11:55 p.m.	13 X	14 From definition to rules Product, quotient, and chain rule OH 2:30-3:30 - SM 302	15 No regular worksheet OH 1:30-3:30 - SM 302	16 The chain reaction Composition and the chain rule HW due 11:55 p.m.	17 X
18 Online quiz due 11:55 p.m.	19 Rules working together Mixed differentiation examples HW due 11:55 p.m. OH 2:30-3:30 - SM 302	20 X	21 Products, quotients, chains More combined-rule examples OH 2:30-3:30 - SM 302	22 Worksheet 6: Derivative mix-and-match Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	23 Implicitly speaking Begin implicit differentiation HW due 11:55 p.m.	24 X
25 Online quiz due 11:55 p.m.	26 Hidden y, visible slope Implicit differentiation; tangent lines HW due 11:55 p.m. OH 2:30-3:30 - SM 302	27 X	28 Midterm 2 review Differentiate everything OH 2:30-3:30 - SM 302	29 Worksheet 7: Midterm 2 dress rehearsal Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	30 Midterm 2 (tentative) The derivative toolkit	31 X

MATH 105 - Fall 2026 Monthly Calendar

November 2026

Calculus with Algebra • Regular deadlines: HW Mon/Fri 11:55 p.m.; worksheet Thu 11:55 p.m.; online quiz Sun 11:55 p.m. • Midterms replace Friday HW

Office hours - Seeley Mudd 302: Mon 2:30-3:30 Wed 2:30-3:30 Thu 1:30-3:30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1 Online quiz due 11:55 p.m.	2 Rates that relate Related-rates workflow HW due 11:55 p.m. OH 2:30-3:30 - SM 302	3 X	4 A formula in motion Changing quantities; units and models OH 2:30-3:30 - SM 302	5 Worksheet 8: Position, velocity, rates Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	6 Cones, shadows, changing shapes Related-rates practice HW due 11:55 p.m.	7 X
8 Online quiz due 11:55 p.m.	9 Critical numbers, critical decisions Local / absolute extrema; critical numbers HW due 11:55 p.m. OH 2:30-3:30 - SM 302	10 X	11 Absolute extrema Closed-interval method OH 2:30-3:30 - SM 302	12 Worksheet 9: Find the highs and lows Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	13 Read a graph through its derivative Sign of f' ; extrema; begin concavity HW due 11:55 p.m.	14 X
15 Online quiz due 11:55 p.m.	16 Concavity changes the story Inflection points; full curve shape HW due 11:55 p.m. OH 2:30-3:30 - SM 302	17 X	18 Asymptotes on the horizon Limits at infinity; horizontal asymptotes OH 2:30-3:30 - SM 302	19 Worksheet 10: Sketch the whole curve Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	20 Infinity and the big picture End behavior and curve sketching HW due 11:55 p.m.	21 X
22 Online quiz due 11:55 p.m.	23 Holiday - no class HW due 11:55 p.m.	24 X	25 Holiday - no class	26 Holiday - no worksheet	27 Optimization takes the field Set up max-min problems HW due 11:55 p.m.	28 X
29 Online quiz due 11:55 p.m.	30 Curve sketching: one last pass HW due 11:55 p.m. OH 2:30-3:30 - SM 302					

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December 2026

Calculus with Algebra • Regular deadlines: HW Mon/Fri 11:55 p.m.; worksheet Thu 11:55 p.m.; online quiz Sun 11:55 p.m. • Midterms replace Friday HW

Office hours - Seeley Mudd 302: Mon 2:30-3:30 Wed 2:30-3:30 Thu 1:30-3:30

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1 X	2 The farmer's field problem Optimization setup and solution OH 2:30-3:30 - SM 302	3 Worksheet 11: Applications review Worksheet due 11:55 p.m. OH 1:30-3:30 - SM 302	4 Midterm 3 (tentative) Rates, extrema, and curves	5 X
6 Online quiz due 11:55 p.m.	7 The box problem finale Optimization HW due 11:55 p.m. OH 2:30-3:30 - SM 302	8 X	9 Bring it all together Early review + final max-min problems OH 2:30-3:30 - SM 302	10	11	12 X
13	14	15 X	16	17	18	19 X
20	21	22 X	23	24	25	26 X
27	28	29 X	30	31		