MATH 1026 Course Calendar – Fall 2025

Weeks	Section	Objectives	Outside of class assignments
Week-1 Aug 25-31	**M** **T 1.1** **W 1.3** **Th & F 1.4**	Selected topics for Prerequisite Review	WebAssign Getting Started CANVAS Check-In Quizzes
Week-2 Sep 1-7	**M** **T & W 1.5** **Th & F 1.8**	*Labor Day* ---------------------------- Solve quadratic equations using factoring, complete the square and quadratic formula. Solve for one variable in terms of another ----------------------------- Solve linear, polynomial, rational, absolute value inequalities	WebAssign Homework CANVAS Check-In Quizzes CANVAS Review Quiz
Week-3 Sep 8 to Sep 14	**M 1.9** **T 1.10** **W 10.1** **Th 2.1** **F 2.2**	Find the distance and midpoint of points in the coordinate plane. Use Completing the Square to write the equation of a circle ------------------------------ Find the slope of a line. Write the equation of a line in point-slope and slope intercept form. ----------------------------- Use the substitution and elimination method to solve a system of linear equations. ---------------------------- Determine the domain of a function. Evaluate a function, including piece-wise defined ---------------------------- Graph fundamental functions such as the square root and cubic functions.	CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz

Week-4 Sep 15-21	M 2.3	Getting Information from the graph	CANVAS Check-In Quizzes
		---------------------------	WebAssign Homework
	T & W 2.4	Average Rate of Change of a Function	CANVAS Check-In Quizzes
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	Th	Review	
	F		EXAM-1
Week-5 Sep 22-28	M	Exam Reflection	CANVAS Check-In Quizzes
		-------------------------------	WebAssign Homework
	T 2.6	Transform fundamental functions by, for example, stretching or shifting.	CANVAS Review Quiz
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	W 2.7	Add, subtract, multiple or divide fundamental functions to create new function	

	Th & F 2.8	Recall and apply the definition of composition, inverse functions	
Week-6 Sep 29-Oct 5	M 3.1	Find intercepts and vertex of a quadratic function using a formula or completing the square.	CANVAS Check-In Quizzes
		---------------------------	WebAssign Homework
	T & W 3.2	Polynomial Functions and their graphs Finding Limits Graphically and Numerically	CANVAS Review Quiz
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	Th & F 3.6	Determine the asymptotes, holes and intercepts of a rational function.	

Week-7 Oct 6-12	M & T 4.1 & 4.2 W 4.3 Th & F	Exponents Review. Find the intercepts and horizontal asymptote of an exponential function. ---------------------------- Find the intercepts and vertical asymptote of a logarithmic function ---------------------------- Reading Days	CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz
Week-8 Oct 13-19	M 4.3 T & W 4.4 Th F	Find the intercepts and vertical asymptote of a logarithmic function ---------------------------- Recall and apply the Laws of Logarithms ---------------------------- Review	CANVAS Check-In Quizzes WebAssign Homework **Exam-2**
Week-9 Oct 20-26	M & T 4.5 W & Th 4.6 F	Exam Reflection Solve exponential and logarithmic equations ---------------------------- Modeling with exponential functions ---------------------------- Chapter 4 Review	CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz

Week-10 Oct 27-Nov 2	M & T 5.1	Determine terminal points on the unit circle using reference numbers.	CANVAS Check-In Quizzes
		----------------------------	WebAssign Homework
	W & Th 5.2	Define six trigonometric functions and their domains	CANVAS Review Quiz
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	F 5.3	Determine domain, range, and amplitude, period of the sine and cosine graphs.	
Week-11 Nov 3-9	M 5.3	Determine domain, range, and amplitude, period of the sine and cosine graphs.	CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz
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	T 5.4	Determine domain, range, amplitude, period of the tangent, cotangent, secant and cosecant.	

	W & Th 5.5	Recall the domain and range of the inverse sine, inverse cosine, and inverse tangent.	

	F 6.1	Define angle measure. Recall and apply the formulas for the arc length and area of a circular sector	
Week-12 Nov 10-16	M 6.2	Recall and apply the definition of trigonometric ratios and angels.	CANVAS Check-In Quizzes WebAssign Homework
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	T	Veteran's Day.	

	W 6.3	Apply definition of trigonometric functions in all quadrants.	

	Th	Review	
	F		EXAM-3

Week-13 Nov 17-23	M & T 7.1 W 7.2 Th & F 7.3	Simplify trigonometric expressions Prove trigonometric identities. ---------------------------- Recall and apply addition and subtraction formula for sine and cosine ---------------------------- Recall and apply the double-angle and lowering powers formulas for sine and cosine.	CANVAS Check-In Quizzes WebAssign Homework Canvas Review Quiz
Week-14 Nov 24-30	M & T 7.4 W Th & F	Solve basic trigonometric equations ---------------------------- Chapter 7 Review ---------------------------- Thanksgiving Holiday	CANVAS Check-In Quizzes WebAssign Homework Canvas Review Quiz
Week-15 Dec 1-7	**Ch-7 Review**	**Final Exam Review/Practice**	WebAssign Homework
Week-16 Dec 8-12		**Final Exam**	**Final Exam: Comprehensive** **Day, Time, and Place to be announced**