

MATH 1026 Course Calendar – Fall 2025

| Weeks | Section | Objectives | Outside of class assignments |
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| Week-1 Aug 25-31 | 1.1-1.4 | Selected topics for Prerequisite Review ----- | WebAssign Getting Started CANVAS Check-In Quizzes |
| Week-2 Sep 1 To Sep 7 | Monday 1.5 1.8 1.9 | <i>Labor Day</i> 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 ----- Find the distance and midpoint of points in the coordinate plane. Use Completing the Square to write the equation of a circle | WebAssign Homework CANVAS Check-In Quizzes CANVAS Review Quiz |
| Week-3 Sep 8 to Sep 14 | 1.10: 10.1: 2.1: 2.2 | 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 |

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| Week-4 Sep 15-21 | 2.3 2.4 Review | Getting Information from the graph Average Rate of Change of a Function | CANVAS Check-In Quizzes WebAssign Homework CANVAS Check-In Quizzes EXAM-1 |
| Week-5 Sep 22-28 | Monday 2.6 2.7: 2.8 (2 Days) | Exam Reflection Transform fundamental functions by, for example, stretching or shifting. ----- Add, subtract, multiple or divide fundamental functions to create new function ----- Recall and apply the definition of composition | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |
| Week-6 Sep 29-Oct 5 | 3.1 3.2(2 Days) 3.6(2 Days) | Find intercepts and vertex of a quadratic function using a formula or completing the square. ----- Polynomial Functions and their graphs ----- Finding Limits Graphically and Numerically | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |

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| Week-7 Oct 6-12 | 3.6(2 Days) 4.1&4.2 (2 Days) | Determine the asymptotes, holes and intercepts of a rational function. ----- Review properties of exponents Find the intercepts and horizontal asymptote of an exponential function. Reading Days | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |
| Week-8 Oct 13-19 | 4.3 (2 Days) 4.4 (1 Day) | Find the intercepts and vertical asymptote of a logarithmic function Recall and apply the Laws of Logarithms | CANVAS Check-In Quizzes WebAssign Homework Exam-2 |
| Week-9 Oct 20-26 | Monday 1. (2 Days) 4.6 (2 Days) | Exam Reflection Solve exponential and logarithmic equations Modeling with exponential functions | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |
| Week-10 Oct 27- Nov 2 | 5.1 (2 Days) 5.2 (2 Days) | Determine terminal points on the unit circle using reference numbers. Define six trigonometric functions and their domains 5.3 Start on Friday October 27 (2 Days) | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |

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| Week-11 Nov 3-9 | 5.3 5.4 (1.5 Days) 5.5 (1.5 Days) 6.1 | Determine domain, range, and amplitude, period of the sine and cosine graphs. ----- Determine domain, range, amplitude, period of the tangent, cotangent, secant and cosecant. ----- Recall the domain and range of the inverse sine, inverse cosine, and inverse tangent. ----- Define angle measure. Recall and apply the formulas for the arc length and area of a circular sector | CANVAS Check-In Quizzes WebAssign Homework CANVAS Review Quiz |
| Week-12 Nov 10-16 | 6.2 Thursday Friday | Veteran's Day. Recall and apply the definition of trigonometric ratios and angels. Exam-3 Veteran's Day Holiday | CANVAS Check-In Quizzes WebAssign Homework EXAM-3 on Thursday |
| Week-13 Nov 17-23 | 6.3 7.1 (2 Days) 7.2 | Apply definition of trigonometric functions in all quadrants. ----- Simplify trigonometric expressions Prove trigonometric identities. ----- Recall and apply addition and subtraction formula for sine and cosine | CANVAS Check-In Quizzes WebAssign Homework Canvas Review Quiz |

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| Week-14 Nov 24-30 | 7.3 (2 days) 7.4 (2 days) Thursday Friday | Recall and apply the double-angle and lowering powers formulas for sine and cosine. Solve basic trigonometric equations Thanksgiving Holiday 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 |
| Dec 8-12 | | Final Exam | Final Exam: Comprehensive Day, Time, and Place to be announced |
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