

MATH0230 Basic Mathematics - Student Learning Outcomes (SLO's)

1. Multiply whole numbers, decimals, and fractions.
2. Divide whole numbers, decimals, and fractions.

MATH0240 Pre - Student Learning Outcomes (SLO's)

1. Solve one-step linear equations.
2. Add, subtract, multiply, and divide signed real numbers.

MATH1050 Elementary Algebra - Student Learning Outcomes (SLO's)

1. Solve a system of two linear equations and interpret the solution graphically and algebraically.
2. Perform algebraic operations on polynomials: add, subtract, multiply, and divide by a monomial.

MATH1060 Intermediate Algebra - Student Learning Outcomes (SLO's)

1. Solve quadratic equations by factoring and the quadratic formula.
2. Simplify rational expressions with quadratic numerators and denominators.

MATH1500 Math For A Modern Society - Student Learning Outcomes (SLO's)

1. Apply the installment loan formula to calculate monthly payments for a car loan.
2. Distinguish between linear growth and decay and exponential growth and decay.

MATH1520 Finite Mathematics - Student Learning Outcomes (SLO's)

1. Solve business / financial problems by the use of matrices.
2. Formulate and solve linear programming problems via the Simplex Method.

MATH1530 Plane Trigonometry - Student Learning Outcomes (SLO's)

1. Apply the unit circle and angle approaches to trigonometry using radian and degree measurements.
2. Use computation, analysis, and synthesis to solve trigonometry problems including trigonometric equations and their use in triangle applications.
3. Demonstrate understanding of inverse trigonometric functions and use computation, analysis, and synthesis to solve problems requiring their applications.

MATH1540 Precalculus Mathematics - Student Learning Outcomes (SLO's)

1. Solve exponential and logarithmic equations.
2. Graph sine and cosine functions and identify the amplitude, period, vertical translation, and phase shift for these functions.

MATH2100 Analytic Geometry & Calculus I - Student Learning Outcomes (SLO's)

1. Calculate limits
2. Calculate and interpret instantaneous rates of change.
3. Calculate the area under a curve.

MATH2120 Analy. Geometry & Calculus II - Student Learning Outcomes (SLO's)

1. Apply integration to physical problems.
2. Differentiate and Integrate functions of parametric equations and polar coordinates.
3. Apply an infinite series to a physical problem.

MATH2130 Analytic Geometry & Calc. III - Student Learning Outcomes (SLO's)

1. Apply vector calculus to physical problems.
2. State and apply basic definitions, properties and theorems of multivariable Calculus

MATH2140 Ordinary Differential Equation - Student Learning Outcomes (SLO's)

1. Model real situations using Ordinary Differential Equations.
2. Use appropriate methods to solve Ordinary Differential Equations such as LaPlace Transforms and Series Solutions.

STAT1510 Elementary Statistics - Student Learning Outcomes (SLO's)

1. Complete an appropriate analysis of real world data.
2. Evaluate the appropriateness of statistics reported in a journal article and/or the news media.