

MATHEMATICS (MATH)

For up-to-date information on when online courses are offered, see <https://www.uwplatt.edu/department/center-distance-learning/course-offerings> (<https://www.uwplatt.edu/department/center-distance-learning/course-offerings/>).

MATH 12 Mathematical Problem Solving 3 Credits

Mathematical modeling and basic algebra, including fractions and decimals, algebraic expressions and functions, and systems of linear equations and inequalities. Problem solving methods and strategies will be emphasized, as well as success skills such as study skills, time management, and note-taking. (This course does not carry UWP degree credit.)

Components: Class

MATH 15 Intermediate Algebra 3 Credits

Fundamental operations, factoring, fractions, equations, functions, graphing, exponents and radicals, linear equations, systems of equations, inequalities, polynomials, rational expressions, and quadratics. (This course does not carry UWP degree credit.)

Components: Class

Prereqs/Coreqs: P. MATH 10 or MATH 12 with a "C-" or better or mathematics proficiency level of 10 or above

MATH 1730 Mathematics of Finance 3 Credits

Simple and compound interest, annuities, amortization, depreciation, valuation of securities, and bonds.

Components: Class

GE: Math competency

Prereqs/Coreqs: P. MATH 10 or MATH 12 or MATH 15 with a C- or better or mathematics proficiency level of 10 or above

MATH 1830 Elementary Statistics 3 Credits

An introduction to statistical analytical methods including graphing distributions, numerical summaries, linear regression and correlation, the normal distribution, confidence intervals and hypothesis tests for means and proportions, analyzing two-way tables, and analysis of variance. Minitab will be used throughout the course.

Components: Class

GE: Math competency

Prereqs/Coreqs: P. MATH 10 or MATH 12 or MATH 15 with a C- or better or mathematics proficiency level of 10 or above

MATH 2740 Calculus and Analytic Geometry II 4 Credits

Derivatives and integrals involving exponential, logarithmic, and inverse trigonometric functions, further study of limits, further techniques and applications of integration, sequences and series, polar coordinates, and parametric equations.

Components: Class

Prereqs/Coreqs: P. MATH 2640 with a grade of "C-" or better or advanced placement