

MTH 120: Calculus and Its Applications

This course is intended to give a broad overview of calculus. It includes limits, differentiation, and integration of algebraic, exponential, logarithmic, and multi-variable functions with applications to business, economics, and other disciplines. This course may also include LaGrange multipliers, extrema of functions of two variables, method of least squares, linear approximation, and linear programming.

hours: 3

Theory Hours: 3

Prerequisites:

Grade of C or higher in MTH 112, 113, or 115 or appropriate placement score.

Program: **Mathematics**