MTH 125: Calculus I

This is the first of three courses in the basic calculus sequence taken primarily by students in science, engineering, and mathematics. Topics include the limit of a function; the derivative of algebraic, trigonometric, exponential, and logarithmic functions; and the definite integral and its basic applications to area problems. Applications of the derivative are covered in detail, including approximations of error using differentials, maximum and minimum problems, and curve sketching using calculus.

Credits: 4
Lab Hours: 0
Lecture Hours: 4
Prerequisites: Grade of C or higher in MTH 113 or MTH 115 or appropriate mathematics placement score.