

# MATH155 : Calculus I

Topics of study include properties of functions and their graphs, properties and applications of limits, techniques of differentiation, applications of differentiation, techniques of integration, applications of integration, differentiation and integration of logarithmic and exponential functions, differentiation and integration of trigonometric and inverse trigonometric functions, applied optimization, differentials, and hyperbolic functions. Meets the General Education requirement for Mathematics.

**Credits** 4

**Lecture Hours** 4

**Lab/Clinical/Field Study Hours** 0

**Prerequisites**

MATH150 or equivalent with a grade of C or better; or Placement Test score or SAT score