

MATH 1610 : Calculus I

The first semester of differential and integral single variable calculus. Basic theory using algebraic and trigonometric function and applications are covered concurrently. Topics include limits, derivatives, considered algebraically and graphically, differentials and their use as approximations, the indefinite and definite integrals with applications to areas, volumes, surface area, arc length, moments and center of mass. A graphing calculator without a CAS (Computer Algebra System) is required; Texas Instruments TI-83 or TI-84 recommended. Cannot receive credit for this course and MATH 1510-1520. Prerequisite: MATH 1411-1412 or MATH 1413.

Credits 4.0

Semester Offered

fall/spring

General Education Areas

Math,

Reasoning Gen Ed