MATH 2413 : Calculus I

Limits and continuity; the Fundamental Theorem of Calculus; definition of the derivative of a function and techniques of differentiation; applications of the derivative to maximizing or minimizing a function; the chain rule, mean value theorem and rate of change problems; curve sketching; definite and indefinite integration of algebraic, trigonometric and transcendental functions, with an application to calculation of areas.

Credits 4   **Lab Hours** 3   **Lecture Hours** 3   **Lab Fee** OER FEE   **Field Experience Hours** 0

Clinical Hours 0   **Course Type** Academic   **Extended Hours** 0   **Practicum Hours** 0

Contact Hours 96

Prerequisites

MATH 2412 or equivalent preparation

Semester Offered

Fall

Spring

Summer 1