MAT 235 : Calculus

Calculus is the mathematical study of change with two major branches, differential calculus (concerning rates of change and slopes of curves), and integral calculus (concerning accumulation of quantities and the areas under and between curves). This course will provide a comprehensive introduction to calculus as applied to the study of pharmacokinetics and the practice of pharmacy. In this the course, concepts of functions, domain and range, composition and finding the inverse of a function, limits (understand the concept of limits, one- sided and two-sided limits, existence of limits, infinite limits, vertical asymptotes and learn the limit rules), continuity, and develop skills for their determinations. They will recognize the derivative, and develop skills for using rules of differentiation. They will also understand the integral concept and its use in computing areas of various regions with curved boundaries.

Credits 3
Prerequisite Courses
PAM 101
Corequisites
None