MATH& 151 : Calculus I

Credits 5
Quarter Offered Fall, Spring
Limits and continuity; techniques and applications of derivatives of algebraic and transcendental functions; an introduction to antiderivatives. This class may include students from multiple sections. This class may include students from multiple sections. (Quantitative Skills, Natural Sciences, Elective)
Prerequisites
2.0 or higher in MATH& 142 or equivalent
Course Outcomes
Students who successfully complete this class should be able to:

- Calculate limits of functions using graphs, numerical data, and algebraic methods; and use limits to determine continuity.
- State the definition of a derivative and use it to find the derivative of functions.
- Use the general differentiation rules to calculate derivatives of algebraic functions, transcendental functions, and combinations of those functions.
- Apply derivatives to solve application problems and determine the behavior of functions.