MATH 131 : Mathematics for Physical Sciences

This course is designed to equip students with the mathematics encountered in physics and chemistry courses. It explores topics such as: exponents, logarithms, and scientific notation; measurement, significant figures, ratios, and proportions; simplifying algebraic expressions and solving linear equations; the equation of a straight line, its slope, and its intercept on the Y axis; solving a formula for one variable and changing the subject of a formula; solving linear equations with two variables; quadratic equations; area of a triangle and properties of right angle triangles; properties of a circle; characteristics of other geometric figures; tangent, sine, and cosine and their interrelationships; vectors and introduction to statistics.
Core Course
Credits 3