

MATH120N : PreCalculus

This course is intended to prepare students for the study of calculus. Students will investigate the properties of exponential, logarithmic, and trigonometric functions. Trigonometry topics include graphs of trigonometric functions, identities, inverse trigonometric functions, and trigonometric identities. Other topics include complex numbers, polar coordinates, conics, and DeMoivre's Theorem. Additionally, a selection of topics from the following list may be chosen by the instructor: sequences and series, mathematical induction, binomial expansions, systems of equations and inequalities, introduction to derivatives. Mastery of the topics in this course will prepare the student for Calculus. Applications will be integrated throughout the course and particular attention will be paid to the process of problem solving.

Class Hours 4

Lab Hours 0

Credits 4

Prerequisites

Placement or MATH110N or permission of instructor.