

MTH 203 SETS, LOGIC AND ALGEBRA I: (3 Units) (L30: P 0: T 15)

Pre-requisite -MTH 101

Introduction to the language and concepts of modern Mathematics. Topics include; Basic set theory: mappings, relations, equivalence and other relations, Cartesian products. Binary logic, methods of proof. Binary operations. Algebraic structures, semigroups, rings, integral domains fields. Homeomorphisms. Number systems; properties of integers, rationals, real and complex numbers.