

MTH 111 Elementary Mathematics

I 3 units

Elementary Set theory, subsets, union, intersection, complements. Venn diagrams, Real numbers, integers, rational and irrational numbers, mathematical induction, real sequences and series, theory of quadratic equations, binomial theorem.

Circular measure, trigonometric functions of angles of any magnitude, addition and factor formulae.

Complex numbers, algebra of complex numbers, the Argand Diagram, De Moivre's theorem, n th roots of unity.