

MA 405 - Complex Analysis

3 Credit Hours

A study which includes complex field, Topology of the complex plane, Analytic functions, Cauchy- Riemann equations, Cauchy's Theorem, Cauchy's integral formulae, Taylor series, Elementary functions, Laurent series, Classification of singularities, Residue Theorem, Evaluation integrals using residues, and Conformal mappings.

Prerequisite(s): MA206 Calculus IV

Prerequisites

[MA 305](#)