

B.Sc. General in Mathematics

Course code	Course Name	Course Outcome
MTMGCC01	Differential Calculus	This course deals with the application of derivatives.
MTMGCC02	Differential Equations	Students can learn to solve differential equations of second order and systems of linear differential equations with the help of this course. In addition, It helps to generate the basic ideas of Partial Differential Equations.
MTMGCC03	Real Analysis	Understanding the properties of real numbers, sequence of real numbers and infinite series are the main goals of this course.
MTMGCC04	Algebra	This course helps to develop the basic concept on group theory, ring theory and fields.
MTMGSE01	Theory of Equation	This course deals with the theory of equations.
MTMGSE02	Integral Calculus	Developing the idea of integration by partial fraction, reduction formula and the knowledge of application of integrations are the aims of this course.
MTMGSE03	Mathematical Modeling	This course provides the basic ideas of mathematical modelling.
MTMGSE04	Probability and Statistics	Developing the basic concept on numbers specially prime number is the aims of this course.
MTMGDS01	Vector Calculus and Analytical Geometry	This course deals with the analytical geometry in two or three dimension and algebra of vectors.
MTMGDS02	Numerical Methods	Students can solve the transcendental and polynomial equations, ordinary differential equations with the help of numerical methods. In addition, this course helps to generate the idea of numerical differentiation and integration.