

Mathematics

University of Dhaka

1st Year

01	MTH	Fundamentals of Mathematics
02	MTH	Differential Calculus-1
03	MTH	Analytic Geometry
04	MTH	Linear Algebra-1
05	MTH	Integral Calculus-1
06	MTH	Introduction to Number Theory
07	PHY	Wave and Mechanics
08	PHY	Electricity and Magnetism
09	STA	Introduction to Statistics
10	STA	Introduction to Probability

2nd Year

01	MTH	Real Analysis-1
02	MTH	Differential Calculus-2
03	MTH	Ordinary Differential Equation-1
04	MTH	Linear Algebra
05	MTH	Integral Calculus-2
06	MTH	Numerical Analysis-1
07	MTH	Discrete Mathematics
08	MTH	Programming Fundamentals
09	STA	Principles of Statistics
10	STA	Mathematical Statistics-1

3rd Year

01	MTH	Real Analysis-2
02	MTH	Complex Analysis
03	MTH	Ordinary Differential Equation-2
04	MTH	Abstract Algebra
05	MTH	Fundamentals of Topology
06	MTH	Numerical Analysis-2
07	MTH	Mathematical Methods
08	MTH	Optimization
09	MTH	Stochastic Calculus
10	MTH	Introduction to Actuarial Mathematics

4th Year

01	MTH	Introduction to Functional Analysis
02	MTH	Introduction to Measure Theory
03	MTH	Partial Differential Equations
04	MTH	Differential Geometry and Tensor Calculus
05	MTH	Mechanics
06	MTH	Hydrodynamics and Fluid Dynamics

Elective Courses

01	MTH	Combinatory
02	MTH	Fuzzy Mathematics
03	MTH	Population Dynamics
04	MTH	Scientific Computing and simulations
05	MTH	Stochastic Optimization