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| **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 |