

Master of Science in Mathematics (M.Sc. Mathematics)

Course Code: MMTH

Curriculum:

Semester-I

MMTH 101 Mathematical Analysis

MMTH 102 Number Theory

MMTH 103 Algebra

MMTH 104 Complex Analysis – I

MMTH 105 Ordinary Differential Equations

Semester-II

MMTH 201 Functional Analysis

MMTH 202 Rings & Modules

MMTH 203 Topology

MMTH 204 Number Theory-II

MMTH 205 Measure Theory

Semester-III

ANY FIVE SUBJECTS FROM THE FOLLOWING

MMTH-301 Field Theory

MMTH-302 Computer Fundamentals and Programming in ‘C’

MMTH-303 Mathematical Methods

MMTH-304 Optimization Techniques-I

MMTH-305 Mathematical Statistics-I

MMTH-306 Category Theory-I

MMTH-307 Fuzzy Sets and Applications

MMTH-308 Advanced Topology

MMTH-309 Numerical Analysis

MMTH-310 Fluid Mechanics

MMTH-311 Complex Analysis-II (Prerequisite: Complex Analysis-I)

MMTH-312 Partial Differential Equations

Semester-IV

ANY FIVE SUBJECTS FROM THE FOLLOWING

MMTH-401 Tensor Calculus

MMTH-402 Mathematical Statistics-II (Prerequisite: Mathematical Statistics-I)

MMTH-403 Category Theory-II (Prerequisite: Category Theory-I)

MMTH-404 Optimization Techniques-II

MMTH-405 Commutative Algebra

MMTH-406 Operations Research

MMTH-407 Non-Linear Programming

MMTH-408 Analytic Number Theory

MMTH-409 Theory of Linear Operators

MMTH-410 Algebraic Coding Theory

MMTH-411 Algebraic Topology

MMTH-412 Solid Mechanics