

**MASTER OF SCIENCE - MATHEMATICS****(As Per NEP-2020)****SEM - I****Major Subject (Mandatory)**

- 1) Advanced Abstract Algebra
- 2) Topology
- 3) Linear Algebra

**Major Elective (DSE)**

- 1) Numerical Analysis
- 2) Real Analysis
- 3) Ordinary differential Equations
- 4) Calculus of Variations
- 5) Number Theory
- 6) SCILAB Programming
- 7) Fuzzy Mathematics
- 8) Logic and Set Theory
- 9) Elementary Discrete Mathematics

**Compulsory Paper (RM)**

- 1) Research Methodology

**SEM - II****Major Subject (Mandatory)**

- 1) Field Theory
- 2) Measure Theory
- 3) Classical Mechanics

**Major Elective (DSE)**

- 1) Differential Geometry
- 2) Operations Research
- 3) Combinatorics
- 4) Graph Theory
- 5) Coding Theory
- 6) Cryptography
- 7) Advanced Topics in Topology
- 8) Statistics and Probability
- 9) C Programming

**Compulsory Paper (RM)**

- 1) OJT- On Job Training / Internship  
Financial Mathematics

**MASTER OF SCIENCE - MATHEMATICS****SEM - III****Major Subject (Mandatory)**

- 1) Complex Analysis
- 2) Partial Differential Equations
- 3) Mathematical Methods

**Major Elective (Any One)**

- 1) General Relativity
- 2) Fluid Dynamics - I
- 3) Advanced Topics in Operations Research
- 4) Commutative Algebra
- 5) Lattice Theory
- 6) Business Mathematics
- 7) MATLAB Programming

**Compulsory Paper (RM)**

- 1) Research Project

**SEM - IV****Major Subject (Mandatory)**

- 1) Dynamical Systems
- 2) Functional Analysis
- 3) Mathematical Modelling

**Major Elective (Any One)**

- 1) Cosmology
- 2) Fluid Dynamics - II
- 3) Integral Equations
- 4) Representation Theory of the Symmetric Group
- 5) Matroid Theory
- 6) Python Programming
- 7) Algebraic Number Theory

**Compulsory Paper (RM)**

- 1) Research Project

टिप :- सत्र २०२४-२५ ला NEP 2020 नुसार प्रवेश प्रक्रिया होणार असल्यामुळे अभ्यासक्रमातील विषय बदलची माहिती प्रवेश घेतांना प्रवेश समितीकडून आपणास कळविण्यात येईल.