



M.Sc Math

Semester Wise Subjects in the
Entire Curriculum as per NEP 2020

Affiliated to M.J.P Rohilkhand University, Bareilly

M.Sc Math 1st Year

M.Sc Math 1st Semester (ODD)	M.Sc Math 2nd Semester (ODD)
1 Advanced Algebra	1 Advanced Complex Analysis
2 Real Analysis	2 Topology
3 Differential Equation with Application	3 Project / Survey / Viva / Industrial Training
4 Fluid Dynamics	4 Elective 2 & 3
5 Power Point Presentation & Viva - Voce	5 Elective 4
6 Elective 1	

M.Sc Math 2nd Year

M.Sc Math 3rd Semester (ODD)	M.Sc Math 4th Semester (EVEN)
1 Partial Differential Equation with Applications	1 Mathematical Statistics
2 Operation Research	2 Advanced Fluid Dynamics
3 Functional Analysis	3 Project / Dissertation & Viva
4 Seminar Presentation and Viva	4 Elective 7 & 8
5 Elective 5	5 Elective 9
6 Elective 6	



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M.Sc Math 1st Semester

Elective 1 (Choose one)

- 1 Theory of Differential Equation
- 2 Information Theory - 1

M.Sc Math 2nd Semester

Elective 2 & 3 (Choose two)

- 1 Advanced Discrete Mathematics
- 2 Differential Geometry
- 3 Advanced Abstract Algebra

M.Sc Math 2nd Semester

Elective 4 (Choose one)

- 1 Mathematical Medelling
- 2 Number Theory
- 3 Advanced Abstract Algebra

M.Sc Math 3rd Semester

Elective 5 Choose one)

- 1 Difference Equations
- 2 Fuzzy Set Theory

M.Sc Math 3rd Semester

Elective 6 (Choose one)

- 1 Measure Theory & Integration
- 2 Introduction to Cryptography

M.Sc Math 4th Semester

Elective 7 & 8 (Choose Two)

- 1 Integral Equation
- 2 Theory of Elasticity
- 3 Tensors & General Relativity
- 4 Information Theory - 2
- 5 Bio - Mathematics
- 6 Mathematics for Finance & Insurance
- 7 Wavelet Analysis
- 8 Differential Geometry of Manifolds

M.Sc Math 4th Semester

Elective 9

- 1 Take one Minor Elective course from any other Stream / Subject / Department