

M.Sc. (Mathematics)
Teaching Scheme (Semester wise)

First Semester

S.No.	Course Code	Course Title	Contact hours	Credit
1.	21M11MA101	Abstract Algebra-I	4	4
2.	21M11MA102	Real Analysis-I	4	4
3	12M11MA301	Topology	4	4
4	21M11MA104	Differential Equations	4	4
5		Elective-1	4	4

Total **20** **20**

Second Semester

S.No.	Course Code	Course Title	Contact hours	Credit
1.	21M11MA201	Abstract Algebra-II	4	4
2.	21M11MA202	Real Analysis-II	4	4
3	21M11MA203	Advanced Complex Analysis	4	4
4	21M11MA204	Advanced Discrete Mathematics	4	4
5		Elective-2	4	4
6	21M17MA201	Mathematical Computing Lab	4	Audit

Total **24** **20**

Third Semester

S.No.	Course Code	Course Title	Contact hours	Credit
1.	12M11MA402	Functional Analysis	4	4
2.	21M11MA301	Theory of Partial Differential Equations	4	4
3	21M11MA302	Theory of optimization	4	4
4	12M11MA302	Mathematical Methods	4	4
5		Elective-3	4	4

Total **20** **20**

Fourth Semester

S.No.	Course Code	Course Title	Contact hours	Credit
1.	21M11MA401	Classical Mechanics	4	4
2.	21M11MA402	Advanced Numerical Analysis	4	4
3		Elective-4	4	4
4	12M19MA491	Minor Project	6	3

Total **18** **15**

Electives

- 21M1GMA101-Differential Geometry
- 21M1GMA201-Mechanics of Fluid
- 21M1GMAXXX- Theory of Linear operators
- 21M1GMA301-Theory of Probability and Statistics
- 21M1GMA401-Fuzzy sets and their applications
- 21M1GMAXXX- Information theory
- 21M1GMAXXX- Wavelet Analysis
- 21M1GMAXXX -Difference Equations