M.Sc. (Mathematics)
Course structure for 4 semesters
Semester-1

Sr. No.	Courses	Contact hours per week (L-T-P-J)	Credits (C)
1.	MAT 501 Linear Algebra	[3-1-0-0]	4
2.	MAT 502 Algebra	[3-1-0-0]	4
3.	MAT 503 Real Analysis	[3-1-0-0]	4
4.	MAT 504 Ordinary Differential Equations	[3-1-0-0]	4
5.	MAT 505 Programming and Mathematical Scripting	[3-0-2-0]*	4
	Total	21	20

*   2 hours of practicals amount to 1 credit

Semester-2

Sr. No.	Courses	Contact hours per week (L-T-P-J)	Credits (C)
1.	MAT 506 Calculus on Manifolds	[3-1-0-0]	4
2.	MAT 507 Topology	[3-1-0-0]	4
3.	MAT 508 Measure and Integration	[3-1-0-0]	4
4.	MAT 509 Complex Analysis	[3-1-0-0]	4
5.	MAT 510 Partial Differential Equations	[3-1-0-0]	4
	Total	20	20

Semester-3

Sr. No.	Courses	Contact hours per week (L-T-P-J)	Credits (C)
1.	MAT 511/520 Algebra-II / Numerical Analysis	[3-1-0-0] [3-1-0-0]	4 4
2.	MAT 512 Functional Analysis	[3-1-0-0]	4
3.	MAT 513 Statistics and Probability	[3-1-0-0]	4
4.	MAT 514 Departmental Elective I	[3-1-0-0]	4
5.	DEP NNN / MAT 597 Open Elective I / Dissertation I		
	Total	**20**	**20**

Semester-4

Sr. No.	Courses	Contact hours per week (L-T-P-J)	Credits (C)
1.	MAT 516 Departmental Elective II	[3-1-0-0]	4
2.	MAT 517 Departmental Elective III	[3-1-0-0]	4
3.	MAT 518 Departmental Elective IV	[3-1-0-0]	4
4.	MAT 519 Departmental Elective V	[3-1-0-0]	4
5.	DEP NNN / MAT 598 Open Elective II / Dissertation II	[3-1-0-0]	4
	Total	**20**	**20**