

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY JAIPUR
DEPARTMENT OF MATHEMATICS



M.Sc. (Mathematics)

Program Scheme
September 2021

Malaviya National Institute of Technology Jaipur

Department of Mathematics

Scheme for M.Sc. (Mathematics)

M.Sc. I Semester					
Course Code	Course Name	Course credits	L	T	P
21MAP501	Computer Lab	2	0	0	4
21MAT502	Linear Algebra	4	3	1	0
21MAT503	Abstract Algebra	4	3	1	0
21MAT504	Ordinary Differential Equation	4	3	1	0
21MAT505	Real Analysis	4	3	1	0
21MAT506	Multivariable Calculus	4	3	1	0
21MAT507	Computer Language	1	1	0	0
	I Semester credits	23			

M.Sc. II Semester					
Course Code	Course Name	Course credits	L	T	P
21MAT508	General Topology	4	3	1	0
21MAT509	Complex Analysis	4	3	1	0
21MAT510	Introduction to Numerical Analysis	4	3	1	0
21MAT511	Partial Differential Equations	4	3	1	0
21MAT512	Probability and Statistics	4	3	1	0
	Program Elective-I	3	3	0	0
	II Semester credits	23			

M.Sc. III Semester					
Course Code	Course Name	Course credits	L	T	P
21MAT602	Functional Analysis	4	3	1	0
	Program Elective-II	3	3	0	0
	Program Elective-III	3	3	0	0
	Program Elective-IV	3	3	0	0
	Program Elective-V	3	3	0	0
21MAD601	Dissertation-I	4	0	0	08
	III Semester credits	20			

M.Sc. IV Semester					
Course Code	Course Name	Course credits	L	T	P
	Program Elective-VI	3	3	0	0
	Program Elective-VII	3	3	0	0
	Program Elective-VIII	3	3	0	0
21MAD603	Dissertation-II	8	0	0	16
	IV Semester credits	17			