



BRAINWARE UNIVERSITY
SCHOOL OF COMPUTATIONAL & APPLIED SCIENCES
DEPARTMENT OF MATHEMATICS
Master of Science in Mathematics – 2026
(As per UGC NEP-2020)

SEMESTER-I

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MSM10400	Research Methodology and Ethics	3	0	0	40	60	100	3	400
2	MSM10401	Linear Algebra	3	0	0	40	60	100	3	400
3	MSM10402	Real Analysis	3	0	0	40	60	100	3	400
4	MSM10403	General Topology	3	0	0	40	60	100	3	400
5	MSM10404	Electives-I	3	0	0	40	60	100	3	400
		A. Operations Research								
		B. Mathematical Statistics								
		C. Financial Mathematics								
D. MOOC*										
6	MSM10500	Ordinary and Partial Differential Equations	3	0	0	40	60	100	3	500
7	MSM17501	Numerical Analysis with Computer Programming	1	0	2	40	60	100	2	500
TOTAL			19	0	2	280	420	700	20	

*MOOC/Equivalent MOOC approved by BoS Chair (Evaluation scheme as per Blended Learning and MOOCs Policy)

SEMESTER- II

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MSM20405	Abstract Algebra	3	0	0	40	60	100	3	400
2	MSM20406	Complex Analysis	3	0	0	40	60	100	3	400
3	MSM20407	Measure Theory and Integration	3	0	0	40	60	100	3	400
4	MSM20502	Functional Analysis	3	0	0	40	60	100	3	500
5	MSM20503	Integral Equations & Calculus of Variations	3	0	0	40	60	100	3	500
6	MSM20504	Electives-II	3	0	0	40	60	100	3	500
		A. Dynamical Systems								
		B. Applied Statistics								
		C. Cryptography								
D. MOOC*										
7	MSM27505	R Programming and Python	1	0	2	40	60	100	2	500
TOTAL			19	0	2	280	420	700	20	
8	PGPC0001	Professional Communication, Collaboration, and Career Skills	0	0	0	100	0	100	0	GPC

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SEMESTER-III

Sl. No.	Course Code	Course	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MSM30506	Fuzzy Logic	4	0	0	40	60	100	4	500
2	MSM30507	Differential Geometry	4	0	0	40	60	100	4	500
3	MSM38508	Project	0	0	0	40	60	100	12	500
TOTAL			8	0	0	120	180	300	20	

SEMESTER - IV

Sl. No.	Course Code	Course Name	L	T	P	Evaluation Scheme		Total	Credits	Course Level
						CIA	TEE			
1	MSM48509	Dissertation	0	0	0	40	60	100	20	500
TOTAL			0	0	0	40	60	100	20	