

M.Sc. Mathematics

Year	FIRST SEMESTER							SECOND SEMESTER						
	Course Code	Course Name	L	T	P	C	Course Code	Course Name	L	T	P	C		
I	MA6111	Advanced Linear Algebra	3	1	0	4	MA6201	Partial Differential Equations	3	1	0	4		
	MA6112	Mathematical Analysis	3	1	0	4	MA6202	Optimization Theory and Techniques	3	1	0	4		
	MA6113	Advanced Differential Equations	2	1	0	3	MA6203	Functional Analysis	3	1	0	4		
	MA6114	Advanced Complex Analysis	3	1	0	4	MA6204	Measure theory & Integration	3	1	0	4		
	MA6116	Topology-I	2	1	0	3	MA6205	Research Methodology & Technical Writing	3	1	0	3		
	MA6118	Dynamics of a Rigid Body	2	1	0	3	MA6230	Lab on Optimization Theory and Techniques	0	0	2	1		
							MA6270	Seminar	0	0	0	1		
			15	6	0	21			15	5	2	21		
Total Contact Hours (L + T + P)			21				Total Contact Hours (L + T + P)			22				
II	THIRD SEMESTER						FOURTH SEMESTER							
	MA7101	Fluid Dynamics	3	1	0	4	MA7270	Project	0	0	0	16		
	MA7102	Special Functions	3	1	0	4								
	MA7103	Integral Equations and Calculus of Variations	3	1	0	4								
	MA7104	Theory of Field Extensions	3	1	0	4								
	*****	DSE – I	2	1	0	3								
	*****	DSE – II	2	1	0	3								
		16	6	0	22					0	0	0	16	
Total Contact Hours (L + T + P)			22				Total Contact Hours (L + T + P)			0				

Discipline Specific Elective (DSE)	
DSE-I 1. MA7140: Mechanics of Solids 2. MA7141: Stochastic Process 3. MA7142: Fuzzy Sets & Their Applications	DSE-II 1. MA7143: Topology-II 2. MA7144: Linear Models 3. MA7145: Computational Fluid Dynamics 4. MA7146: Mathematical Statistics