

PROGRAMME STRUCTURE

M Sc MATHEMATICS **[2 -Year Regular Programme]** **(For those who joined since 2021 - 22)**

PSO 1: Formulate and develop mathematical arguments in a logical manner.

PSO 2: Acquire the knowledge and understanding in advanced areas of mathematics chosen by the student from the courses.

PSO 3: Understand and formulate and use quantitative models arising in social science, business and other contexts.

Sem	Subject Code	Course	Subject Title	Hrs/ Wk	Credits	CIA Marks	ESE Marks	Total Marks
I	GMMXC11	Core I	Algebra-I	6	5	40	60	100
	GMMXC12	Core II	Analysis-I	6	5	40	60	100
	GMMXC13	Core III	Ordinary and Partial Differential Equations	6	5	40	60	100
	GMMXC14	Core IV	Measure and Integration	6	5	40	60	100
	GMMXE1A	Elective I	Numerical Analysis	6	5	40	60	100
	GMMXE1B		Stochastic Process					
	GMMXX1	Extra credit	Fuzzy Analysis		2		100	100
		Total		30	25+2	200	300+100	500+100
II	GMMXC21	Core V	Algebra-II	6	5	40	60	100
	GMMXC22	Core VI	Analysis-II	6	5	40	60	100
	GMMXC23	Core VII	Topology-I	6	5	40	60	100
	GMMXC24	Core VIII	Differential Geometry	6	5	40	60	100
	GMMXE2A	Elective II	Graph Theory	6	5	40	60	100
	GMMXE2BP		Web Designing Lab					
	GMMXX2P	Extra credit	Village Placement Programme		2		100	100
		Total		30	25+2	200	300+100	500+100
III	GMMXC31	Core IX	Functional Analysis	6	5	40	60	100
	GMMXC32	Core X	Topology-II	6	5	40	60	100
	GMMXC33	Core XI	Classical Mechanics	6	5	40	60	100

	GMMXC34	Core XII	Probability and Statistics	6	5	40	60	100
	GMMXE3AP	Elective III	Statistics through R Tool Lab	6	5	40	60	100
	GMMXE3B		Operations Research					
	GMMXX3	Extra credit	Communication Skills		2		100	100
		Total		30	25+2	200	300+100	500+100
IV	GMMXC41	Core XIII	Complex Analysis	6	5	40	60	100
	GMMXC42	Core XIV	Advanced Statistics	6	5	40	60	100
	GMMXC43PW	Core XV	Project	18	5	100	100	200
	GMSED4	Extra credit	Skills for Employability Development		2	100		100
		Total		30	15+2	180+	220	400+100
		Grand total		120	90+8	780+	1120+	1900+

ELECTIVE COURSE FOR OTHER PG PROGRAMME

Sem	Subject Code	Course	Subject Title	Hrs/ Wk	Credits	CIA	ESE	Total
II	GMITE2A	Elective II	Probability and Statistics	6	5	40	60	100