

Course Structure

(8- Semester 4-Year Honor's Course/ Research Mode)

(with Mathematics as Major)

For Honor's Mode

Semester - I	Theory of Matrices (MMT126J) (4+2) credits	---	---
Semester – II	Calculus-I (MMT226J) (4+2) credits	---	---
Semester – III	Calculus-II (MMT326J) (4+2) credits	---	---
Semester – IV	Real Analysis – I (MMT426J1) (3+1) credits	Plane & Solid Geometry (MMT426J2) (4+2) credits	Theory of Numbers & Polynomial Equations (MMT426J3) (4+2) credits
Semester – V	Algebra – I (MMT526J1) (3+1) credits	Numerical Methods (MMT526J2) (4+2) credits	Fourier and Laplace Transform (MMT526J3) (4+2) credits
Semester – VI	Vector Spaces (MMT626J1) (3+1) Credits	Differential Equations (MMT626J2) (4+2) credits	Advanced Calculus (MMT626J3) (4+2) credits
Semester – VII	Graph Theory (MMT726J1) (3+1) credits	Algebra-II (MMT726J2) (4+2) credits	Real Analysis – II (MMT726J3) (4+2) Credits
Semester - VIII	Complex Analysis (MMT826J1) (3+1) Credits	Metric and Topological Spaces (MMT826J2) (4+2) credits	Mathematical Statistics (MMT826J3) (4+2) credits

For Research Mode

Semester – VII	Graph Theory (MMT726J1) (3+1) credits	Algebra-II (MMT726J2) (4+2) credits	Real Analysis – II (MMT726J3) (4+2) Credits
Semester - VIII	Complex Analysis (MMT826J1) (3+1) Credits	MATHEMATICS PROJECT WITH DISSERTATION (12 Credits)	
		*Research Methodology (MMT8J26RP) (4-Credits)	*Project Dissertation (8 credits) (MMT8J26RP)

*Design of this course will be based on the specialization available in the department.