

Jaypee University of Engineering and Technology

Raghogarh - Guna (MP)

Faculty of Mathematical Sciences

Course Structure for 2 years (4 semesters) M.Sc. (Mathematics)

Semester - I

S.No.	Course Code	Course Title	Contact hours	Credit
1.		Real Analysis	4	4
2.		Discrete Mathematical Structure	4	4
3		Theory of Probability and Statistics	4	4
4		Computer Programming	4	4
5		Computer Programming Lab	4	2
Total			20	18

Semester - II

S.No.	Course Code	Course Title	Contact hours	Credit
1.		Advanced Ordinary differential equations	4	4
2.		Linear Algebra	4	4
3		Complex Analysis	4	4
4.		Data Structures	4	4
5.		Data Structures Lab	2	1
6.		Mathematics Lab	2	1
Total			20	18

Semester - III

S.No.	Course Code	Course Title	Contact hours	Credit
1		Topology	4	4
2		Mathematical Methods	4	4
3		Partial Differential Equations	4	4
4		Fluid Mechanics	4	4
5		Elective - 1	3	3
Total			19	19

Semester - IV

S.No.	Course Code	Course Title	Contact hours	Credit
1		Abstract Algebra	4	4
2		Functional Analysis	4	4
3		Elective - 2	3	3
4		Minor Project	12	6
Total			23	17

M.Sc.(Mathematics) Credits Total: 72