

P.E. Society's Modern College of Arts, Science and Commerce(Autonomous), Ganeshkhind, Pune 16.

Department of Mathematics - Course- MSc(Mathematics)

Level	Sem	Disciplinary Major Mandatory	DSE Electives	RM	OJT/FP	RP	Cumulative Credits
6	I	14 Cr 4Cr-(Th)-Advance Course in Linear Algebra 4Cr-(Th)-Advance Calculus 4Cr(Th)-Measure Theory 2Cr-(Pr)-Practical	4Cr 4Cr-(Th)-Advance Course in Group Theory OR 4Cr-(Th)-Advance Course in Ordinary Differential Equations	4 Cr: (2Cr (Th) + 2Cr(Pr))	---	---	22
	II	14 Cr 4Cr-(Th)-Advance Course in Complex Analysis 4Cr-(Th)-General Topology 4Cr-(Th)- Advance Numerical Analysis 2Cr-(Th)-Practical	4Cr 4Cr-(Th)-Rings and Modules Theory OR 4Cr-(Th)-Advance Course in Partial Differential Equations	---	On Job Training / Field Project 4 Cr	---	22
Cu. Cr. for PG Diploma		24-28	8	4	4		40-44
6.5	III	14 Cr 4Cr-(Th)-Functional Analysis 4Cr-(Th)-Field Theory 4Cr-(Th)-Integral Equations 2Cr(Pr)-Practical	4Cr 2Cr (Th)-Combinatorics + 2Cr(Pr)-Practical based on Combinatorics OR 2Cr (Th)-Mathematical Techniques using Python + 2Cr(Pr)-Practical based on Mathematical Techniques using Python	---	---	RP 4 Cr	22
	IV	12 Cr 4Cr-(Th)-Fourier Series and Boundary Value Problems 4Cr-(Th)-Differential Geometry 4Cr-(Th)-Probability and Statistics	4Cr 2Cr-(Th)-Number Theory and Coding Theory + 2Cr(Pr)-Practical based on Number Theory and Coding Theory OR 2Cr(Th)- Introduction to Data Science + 2Cr(Pr)-Practical based on Introduction to Data Science	---	---	RP 6 Cr	22
Cum. Cr. for 1 Yr. PG		22-26	8			10	40-44
Cum. Cr. for 2 Yr. PG		46-54	16	4	4	10	80-88