

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

Department of Statistics - Course- MSc(Statistics)

Level	Sem	Disciplinary Major Mandatory	DSE Electives	RM	OJT/FP	RP	Cumulative Credits
6	I	14 Cr 4Cr-(Th)-Basics of Real analysis 4Cr-(Th)-Linear Algebra 4Cr - (Th)-Probability Theory 2Cr (Pr)-Practical based on Real Analysis, Linear Algebra using R Software	4Cr 4Cr-(Pr)-Machine Learning OR 4Cr-(Pr)-Numerical Methods	4CR=2Cr Pt+2CrTh			22
	II	14 Cr 4 Cr-(Th)- Probability theory 4Cr-(Th)- Statistical Inference 4 Cr(Th)-Multivariate Analysis 2Cr-(Pr)-Practical Based on Statistical Inference and Multivariate Analysis	4Cr 4Cr-(Pr)- Introduction to SAS OR 4Cr-(Pr)- Timeseries and Econometrics		FP:4Cr		22
Cu. Cr. for PG Diploma		24-28	8	4	4		40-44
Exit Option: PG Diploma(40-44) Credits after three-year UG Degre							
6.5	III	14 Cr 4Cr-(Th)-Applied Stochastic Processes 4Cr-(Th)-Bayesian inference 4Cr-(Th)-Statistical Quality Control 2Cr-(Pr)- Practical based on Stochastic processes, Bayesian inference using R Software	4Cr 4Cr- (Pr)-Introduction to SQL OR 4Cr-(Pr)-Introduction of MATLAB & MITNITAB for statistical Analysis			4	22
	IV	12 Cr 4Cr-(Th)- Categorical Data Analysis 4Cr-(Th)-Asymptotic Inference 4Cr-(Pr)-Practical Based on categorial data and Asymptotic Inference	4Cr 4Cr-(Pr) Project			6	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