Department of STATISTICS NEP STRUCTURE
M. Sc. Statistics – Proposed structure and Credit Distribution under NEP
w. e. f. Academic year 2023-24

Year	Level	Sem	Major		RM	OJT, FP	RP	Cum Credits	Degree
			Disciplinary Major Mandatory	**DSE Elective**					
I	6	I	2(Cr)(T) STA51101 Basics of Real Analysis+ 4(Cr)(T)STA51102 Multivaria te Analysis+ 4(Cr)(T) STA51103 Stochastic Processes+ 4(Cr)(P) STA51104 Practicals based on Real Anlyiss, Stochastic Processes, Multivariate Analysis	2(Cr)(T) STA51105 Machine learning + 2(Cr)(P) STA51106 Machine learning OR 2(Cr)(T) STA47107 Numerical Methods 2(Cr)(P) STA47108 Numerical Methods	2(Cr)(T) STA51209 Research Methodology 2(Cr)(P) STA51210 Research Methodology			22	
		II	2(Cr)(T) STA52101 Vector Algebra+ 4(Cr)(T) STA52102 Bayesian Analysis+ 4(Cr)(T) STA52103 Time series and Econometrics+ 4 (Cr)(P) STA52104 Practicals based on Vector Algebra, Bayesian Anlysis, Timeseries and Econometrtics	2(Cr)(Th) STA52105 Intoduction to Data Mining + 2(Cr)(P) STA52106 Practice of Data Mining OR 2(Cr)(Th) STA52107 Intoduction to BI + 2(Cr)(P) STA52108 Practice of BI		4Cr STA52 109OJ T		22	
Cum Credits			**28**	**8**	**4**	**4**		**44**	

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			Disciplinary Major Mandatory	**DSE Elective**					
II	6.5	III	4Cr(T) STA61101 Probability theory+ 4Cr(T) STA61102 Probaility distributioms 2Cr(T) STA61103 Statistical inference + 4Cr(P) STA61104 Practical based on Asymptotic inference, Probaility distributioms, Analysis, Statistical inference	2Cr(T) STA61105 Intro to SAS+ 2Cr(P) STA61106 Practical based on SAS+ 2Cr(T) STA61107 Intro to SPSS+ 2Cr(P) STA61108 Practical based on SPSS			STA61 109**RP**		
		IV	4Cr(T) STA62101Analysis of Clinical Trials+ 4Cr(T) STA62102 Survival Analysis+ 2Cr(T) STA62103 Statistical Quality control + 4Cr(P) STA62104 practical based on Clinical trials, Survival Analysis, Statistical Quality control	2Cr(T) STA62105 Non- parametric inference + 2Cr(P) STA62106 Practical based on non- parametric inference+ 2Cr(T) STA62107 Advanced operation research+ 2Cr(P) STA62108 Practical based on Advanced operation research			STA62 109**RP**		
Cum Credits		56	16			4			