

Syllabi Framework for PG Programme Statistics (2 Year) under NEP 2020, Programme Code PGFMS005

S. No	Course No.	Course Title	No. of Credit	Course Type		Marks		Nature of Course				SAWAYAM /MOOC	Vocation Course	Research Project/Summer Internship/ Dissertation
				Credit Level	Credit Points	Core/Elective/ Any Other	Theory	Practical	Global	National	Regional	Skill		
1.	P2STTC101	Probability and Distribution Theory	04	6.5	26	Core	100	-	✓	-	-	-	-	-
2.	P2STTC102	Real Analysis and Measure Theory	04	6.5	26	Core	100	-	✓	-	-	-	-	-
3.	P2STTC103	Sample Survey and Sampling Designs	04	6.5	26	Core	100	-	✓	-	-	-	-	-
4.	P2STTC104	Linear Algebra	04	6.5	26	Core	100	-	✓	-	-	-	-	-
5.	P2STPC105	Computing with MATLAB	04	6.5	26	Core	-	100	✓	-	-	✓	-	-

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6.	P2STPC106	Statistical Computing with Excel	04	6.5	26	Core	-	100	✓	-	✓	-	-	-	-	-	-
7.	P2STPC107	Scientific Publishing using Latex	01	6.5	6.5	Core	-	25	✓	-	✓	-	-	-	-	-	-
8.	P2STPC108	Seminar	01	6.5	6.5	Core	-	25	✓	-	✓	-	-	-	-	-	-
9.	P2STTE109*	Basic Statistics	NC	6.5			100	-	✓	-	✓	-	-	-	-	-	-
10	P2STTC201	Advanced Probability Theory	04	6.5	26	Core	100	-	✓	-	✓	-	-	-	-	-	-
11	P2STTC202	Linear Models and Regression Analysis	04	6.5	26	Core	100	-	✓	-	✓	-	-	-	-	-	-
12	P2STTC203	Advanced Statistical Inference-I	04	6.5	26	Core	100	-	✓	-	✓	-	-	-	-	-	-
13	P2STTC204	Advanced Multivariate Analysis	04	6.5	26	Core	100	-	✓	-	✓	-	-	-	-	-	-

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14	P2STPC205	Data Analytics with Python	04	6.5	26	Core	-	100	✓	-	✓	-	-	-	-	-
15	P2STPC206	Computational Statistics with SPSS	04	6.5	26	Core	-	100	✓	-	✓	-	-	-	-	-
16	P2STPC207	Seminar	01	6.5	6.5	Core	-	25	✓	-	✓	-	-	-	-	-
17	P2STPC208	Communication Skills	01	6.5	6.5	Core	-	25	✓	-	✓	-	-	-	-	-
18	P2STV251	Advanced Data Analytics with SPSS	04	6.5	26	VOC	100							✓		
19	P2STTC301	Advanced Design of Experiments	04	6.5	26	Core	100	-	✓	-	-	-	-	-	-	-
20	P2STTC302	Artificial Intelligence and Machine Learning	04	6.5	26	Core	100	-	✓	-	-	-	-	-	-	-
21	P2STTC303	Statistical Modelling and Computing	04	6.5	26	Core	100	-	✓	-	-	-	-	-	-	-




30	P2STTL312	Advanced Reliability Theory	04	6.5	26	Elective	100	-	✓	-	-	-	-	-	-	-	-	-
31	P2STTL313	Advanced Bayesian and Sequential Inference	04	6.5	26	Elective	100	-	✓	-	-	-	-	-	-	-	-	-
32	P2STM035I	MCOG/SWAA M	04	6.5	26	Core	100	-	-	-	-	-	-	✓	-	-	-	-
33	P2STTC401	Stochastic Processes	04	6.5	26	Core	100	-	✓	-	-	-	-	-	-	-	-	-
34	P2STTC402	Optimization Techniques for Decision Making	04	6.5	26	Core	100	-	✓	-	-	-	-	-	-	-	-	-
35	P2STRC403	Research	16	6.5	104	Research	-	400	✓	✓	✓	✓	-	-	-	-	-	Research




