

I – Academic Planner

A. Teaching Plan (Year: 2017, Semester: ODD-JULY to NOV.)

Teacher's Name: DR. VANDANA SARIN WALIA Department: STATISTICS

S. No.	UPC	Paper Name	Core/AECC /GE/ SEC	Topic/Unit	Start Date	End Date
1.	32377905	Time Series Analysis	STAT-DSE – 1 (A)	Introduction to times series data, application of time series from various fields, Components of a times series, Decomposition of time series.	22 nd July, 2017	25 th July, 2017
				Estimation of trend by free hand curve method, method of semi averages, fitting mathematical curve and growth curves. Practical work.	29 th July, 2017	1 st Aug. 2017
				Estimation of trend by method of moving averages. Detrending: Effect of elimination of trend on other components of a time series. Practical work.	6 th Aug., 2017	19 th Aug., 2017
				Estimation of seasonal component by the methods of: Simple averages, Ratio to Trend, Ratio to Moving Averages and Link Relative method. Deseasonalization. Practical work.	20 th Aug., 2017	26 th Aug. 2017
				Harmonic Analysis. Variate difference method. Practical work.	27 th Aug., 2017	4 th Sep., 2017
				Stationary Time series, Weak stationarity, autocorrelation function and the correlogram. Special Processes: Moving-average (MA) process and Autoregressive (AR) processes. Estimation of the parameters of AR (1) and AR (2). Introduction to ARMA and ARIMA models. Practical work.	9 th Sep., 2017	24 th Sep., 2017
				Introduction to methods of Forecasting a time series. Exponential smoothing. Practical work.	25 th Sep., 2017	3 rd Oct. 2017
				Short-term forecasting methods: Brown's discounted regression, Box-Jenkins method, Bayesian forecasting. Practical Work. Group Project Presentations	21 st Oct., 2017 6 th Nov., 2017	4 th Nov., 2017 8 th Nov., 2017
2.	32375301	Basics of Statistical Inference	STAT-GE-III	ANOVA, one-way and two-way classification, Practical Work.	1 st Aug. 2017	20 th Aug. 2017
				Basic principles of design of experiments, treatment, plot and block. Analysis of CRD, RBD, Bioassay. Practical Work.	22 nd Aug.,2017	6 th Sep., 2017
				Tests for the significance of correlation coefficient, Sign test for median, Sign test for symmetry, Wilcoxon two sample test. Practical Work. Revision and Problem Solving	13 th Sep., 2017 1 st Nov., 2017	31 st Oct. 2017 7 th Nov., 2017
3.		Statistical data analysis using software packages	STAT-SEC-1	Practical work 1	2 nd Aug. 2017	9 th Aug. 2017
				Practical work 2	16 th Aug. 2017	16 th Aug. 2017
				Practical work 3	23 rd Aug. 2017	30 th Aug. 2017
				Practical work 4	6 th Sep. 2017	6 th Sep. 2017
				Practical work 5, 6	20 th Sep. 2017	20 th Sep. 2017
				Practical work 7	27 th Sep. 2017	27 th Sep. 2017
				Practical work 8, 9, 10 , 11	4 th Oct. 2017	4 th Oct. 2017
				Practical work 12	18 th Oct., 2017	18 th Oct., 2017
				Practical work 13, 14	25 th Oct., 2017	25 th Oct., 2017
		Practical work 15	1 st Nov. 2017	1 st Nov. 2017		

B. Internal Assessment: House Exam (Test/Presentation etc.) & Assignment*

Course Code	Course Name	Unique Paper Code	Topic Name	Day and Date	Date/s of Exhibiting the Assessment Sheet to students, Discussing the marks, Returning/Retaining
568	Statistics	32377905	UNIT I & II (Test)	Monday, 17 th Aug., 2017	2 ND week of August 2017 (Returning)
568	Statistics	32377905	UNIT I-IV (Project)	Wednesday, 6 th Nov. 2017 to Friday, 8 th Nov. 2017	1 st week of Nov. (Returning)
568	Statistics	32375301	UNIT'S I-IV	Friday, 8 th Nov. 2017	2 nd week of Nov., 2017 (Returning)
568	Statistics	SEC 1	Practical Test	Monday, 11 th Nov 2017	

*Marks of the Internal Assessment to be submitted to the College 15 days before the last working day of every semester