1.	Title of the course	Statistical Techniques for Public Policy
2.	Course number	HS515L
3.	Structure of credits	3-0-0-3
4.	Offered to	PG
5.	New course/modification to	Modification To HS5035/21
6.	To be offered by	Department of Humanities and Social Sciences
7.	To take effect from	July 2022
8.	Prerequisite	Nil
9.	**Course Objective(s):** To introduce statistical techniques for empirical public policy analysis. To analyze, visualize and organize data. To introduce software that is widely used by public policy professionals.	
10.	**Course Content:** Descriptive statistics: measures of central tendency, measures of dispersion; Presentation of data using tables and graphs; Random variables and probability distributions; Statistical inference: point estimation, interval estimation, hypothesis testing; Causality: definitions, approaches, measurement; Classical linear Regression Model: Ordinary least squares and its properties; Introduction to Stata, data management and analysis with Stata.	
11.	**Textbook(s):** 1. Coolidge F L, *Statistics: A Gentle Introduction*, 3rd Edition, Sage Publications (2012). 2. Hamilton L C, *Statistics with Stata: Version 12*, 5th Edition, Cengage (2013).	
12.	**Reference(s):** 1. Dalgaard P, *Introductory Statistics with R*, 1st Edition, Springer (2008). 2. Freedman D A, Pisani R and Purves R, *Statistics*, 4th Edition, Viva Books (2013).	