


**Curriculum Plan (ODD SEM 2024-25): B.Sc.(H) Maths I Sem
DSC-3 Probability and Statistics**

Teacher'S Profile Hari Kishan Bhardwaj Department of Mathematics, Kalindi College, University of Delhi, Delhi- 110008 Mobile: +91-9868053327 Email: harikishan@kalindi.du.ac.in			Marks Distribution	Theory Exam	90 Marks
				Internal Assessment	30 Marks
				Practical	40 Marks
			Classes Assigned		Assignments -12 Marks
					Test - 12 Marks
					Attendance - 6 Marks
		Lectures	1 Per Week		
		Practical	2 Per Week (1 Per Group)		
Reference	Essential Reading 1. Devore, Jay L. (2016). Probability and Statistics for Engineering and the Sciences (9th ed.). Cengage Learning India Private Limited. Delhi. Indian Reprint 2020. Suggestive Reading 1. Mood, A. M., Graybill, F. A., & Boes, D. C. (1974). Introduction to the Theory of Statistics (3rd ed.). Tata McGraw-Hill Pub. Co. Ltd. Reprinted 2017.				
	Week	Topics			
	1 st Week (29 AUG-7 SEP)	Descriptive statistics: Populations, Samples			
	2 nd Week (9-14 SEP)	Stem-and-leaf displays, Dotplots,			
	3 rd Week (16-21 SEP)	Histograms, Qualitative data			
	4 th Week (23-28 SEP)	Measures of location, Measures of variability			
	5 th Week (30 SEP-5 OCT)	Boxplots.			
	6 th Week (7-12 OCT)	Sample spaces and events, Probability axioms and properties			
	7 th Week (14- 19 SEP)	Conditional probability			
	8 th Week (21-26 SEP)	Bayes' theorem and independent events.			
	9 th Week (4-9 NOV)	Discrete random variables and probability distributions			
	10 th Week (11-16 OCT)	Expected values, Probability distributions with their mean and variance			
	11 th Week (18 -23 NOV)	Binomial, Geometric Distribution			
	12 th Week (25-30 NOV)	Hypergeometric, Negative Binomial Distribution			
	13 th Week (2-7 DEC)	Poisson Distribution			
	14 th Week (9-14 DEC)	Poisson distribution as a limit.			
	15 th Week (16–21 DEC)	Test/ Revision			
	16 th Week (22-24 DEC)	Revision			