LS451A		Biostatistics	1 Credit
Name of the Faculty: Dr. Sushil K. Jha*, Dr. Devinder Kaur			
S.No.		**Topic**	**Faculty Name/ Contact Hours**
1.		Introduction and Application of statistics in Biology	DK/1
2.	**Descriptive Statistics**	Mean, Median and Mode Variance: Population variance, Sample variance, standard deviation, standard error of mean	DK/4
3.	**Inferential Statistics**	***Parametric Method:*** One-sample t-test, two-sample t-test, paired t-test. One-way ANOVA, Two-way ANOVA ANOVA on ranks,	SKJ/6
4.		***Non-parametric Method:*** Signed-ranked test Kruskal-Wallis test. Mann-Whitney test. Spearman Rank Correlation. Pearson correlation Regression analysis	DK/6

Further Reading:

1. Biostatistics: A Foundation for Analysis in the Health Sciences. Wayne W. Daniel and Chad L. Cross. ISBN: 978-1-119-49657-1
2. Biostatistics for the Biological and Health Sciences. Marc M. Triola, Mario F. Triola and Jason Roy. ISBN-13: 9780137401512
3. Principles of Biostatistics. Marcello Pagano, Kimberlee Gauvreau and Heather Mattie. ISBN-10: 1138593141