

### LESSON PLAN

SEMESTER	SUBJECT CODE	SUBJECT TITLE	L	T	P	C
IV	BSC1141	Statistical Methods And Their Applications II	4	1	0	4
LECTURE NUMBER	TOPIC		REFERENCE			
UNIT-1						
1,2	Introduction to Bivariate frequency table and its uses.		Book 1 chap-12			
3 – 10	Scattered Diagram- types of scattered Diagram - Introduction to regression lines- regression line for x on y and y on x- Properties of regression lines- problems.		Book 1 chap-13			
10-14	Spearman's rank correlation- coefficient of rank correlation- repeated and non- repeated data based problems.		Book 1 chap-12			
15-20	Curve fitting by the method of last squares-		Book 1 chap-13			
UNIT-2						
21-26	Definitions- binomial distribution- conditions- properties –frequency distribution- fitting of binomial distribution- expected frequency- mean- variance of binomial distribution.		Book 1 chap-19			
27-31	Definitions- Poisson distribution- conditions- properties –frequency distribution- fitting of Poisson distribution- expected frequency- mean- variance of Poisson distribution.		Book 1 chap-19			
32-36	Definitions- Normal distributions- properties- importance- characteristics- normal curve- area of normal curve.		Book 1 chap-19			
UNIT-3						
37-39	Concept of sampling distribution- standard error- test of significance.		Book 1 chap-20			
40-43	Test of significance based on t test- problems.		Book 1 chap-20			
44-47	F distribution and its problems.		Book 1 chap-20			
48-50	Theory of attributes- and its test on independence in contingency table.		Book 1 chap-20			
UNIT-4						
51-58	Sampling for finite population – simple random sampling- stratified and systematic sampling- sampling procedures.		Book 1 chap-5			
UNIT-5						
59- 61	Analysis of variance- definitions- One way classification – two way classification- problems		Book 2 chap-27,29			
62-65	CRD- MERITS- APPKICATIONS- PROBLEMS- FRD- merits problems- Latin square designs		Book 2 chap-27,29			

- BOOKS FOR REFERENCE:
1. practical Statistics by.R.S.W pillai Bhagavathy
  - 2.Statistics and Numerical methods by P.R Vittal