

Name of Class: M.Sc.(Statistics) Semester-I

Name of Course: Inference-1

Unit: III

Name of Teacher: Prof. Indra Rani

Lecture Schedule of the week: 27.10.2014 to 31.10.2014

Outline of lesson to be delivered in the classes (Compiled Information)

Ø **Properties of maximum likelihood estimators.**

Ø **Consistency of maximum Likelihood estimators.**

Ø **Hazurbazars' theorem**

Reference Book: Advanced Theory of Statistics, Chapter-18, Vol.-II, By Kendal , M.G. & Stuart, A.

Lab Work :

Practical based on time-series to the students of Batch-I &Batch-II

To determine the seasonal indices by using Link relative method.

Name of Class: M.Sc.(Statistics) Semester-I

Name of Course: Practical based on Calculator

Name of Teacher: Dr. Ram Niwas (on Contract Basis)

Lecture Schedule of the week: 27.10.14 to 31.10.14

Outline of lesson to be delivered in the classes (Compiled information of the lesson plan)

Topic: Time series

**To be
Delivered on**

To construct p- chart and comment on the state of control of the process.

B-I, B-II & III
27/10/2014

Reference: Fundamental Applied Statistics by S.C. Gupta & V.K. Kapoor

Name of Class: M.Sc.(Statistics) Semester-III

Name of Course: Sampling Theory (Unit: IV) & Practical based on C or C++

Name of Teacher: Dr. Ram Niwas (on Contract Basis)

Lecture Schedule of the week: 27.10.14 to 31.10.14

Outline of lesson to be delivered in the classes (Compiled information of the lesson plan)

Topic: Repetitive Survey		To be Delivered on
Define Repetitive survey and sampling over two occasions.		27/10/2014
Find unbiased estimator of population total for sampling over two occasions and derive its variance also.		28/10/2014
Find unbiased estimator of population total for sampling over more than two occasions and derive its variance also.		29/10/2014
Topic: Probability Proportionate to Sampling		
Define Probability Proportionate to Sampling (pps) with replacement.		30/10/2014
Define Cumulative total method of selection a sample in pps sampling.		31/10/2014
Reference: Theory and Analysis of Sample Survey Designs by Daroga Singh and F.S. Chudhary		
Lab Work: Practical based on C or C++		
:Comparison of variance with simple random sampling and stratified random Sampling.		29,31/10/14 (B-II) 30/10/2014 (B-I)

Name of the Class : M.Sc. (Statistics) Semester-III

Name of the Course : Linear Programming-Paper III & IV Opt.(ii)

Unit-III

Name of Teacher : Prof. Indra Rani

Lecture Schedule of the week : 27.10.2014 to 31.10.2014

Outline of Lectures to be delivered in the classes (Compiled information)

- Ø Unbounded solution in the primal.
- Ø Dual simplex algorithm.
- Ø Alternative derivation of the dual simplex algorithm.
- Ø Initial solution for dual simplex algorithm

Reference: Linear Programming By G. Hadley (Chapter 8)