

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

Name of Course: Inference-II

Unit: I & II

Name of Teacher: Prof. Indra Rani

Lecture Schedule of the week: 09.02.2015 to 13.02.2015

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

Tests of Hypotheses :

Ø **Power function and illustrations.**

Ø **One and two sided tests.**

Ø **Composite hypotheses**

Ø **An optimum property of sufficient statistics**

Reference Book: Advanced Theory of Statistics, Chapter-22 & 23, Vol.-II,

By Kendal , M.G. & Stuart, A.

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

**Name of the Course : Non- Linear and Dynamic Programming-Paper III & IV Opt.(ii)
Unit-III**

Name of Teacher : Prof. Indra Rani

Lecture Schedule of the week :09.02.2015 to 13.02.2015

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

Classical Optimization Techniques :

Ø **Maxima and Minima in the absence of Constraints.**

Ø **Illustrations.**

Ø **Constrained Maxima and Minima**

Reference : Non Linear Programming By G. Hadley (Chapter 1)

Mathematical Programming By Kambo, N.S.

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

Name of Course: Demography (Unit-1 & II) & Practical based on C

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

Lecture Schedule of the week: 09.02.15 to 13.02.15

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

Topic: Life Table

**To be
Delivered on**

Define central mortality rate and force of mortality.

09/02/2015

Some theorems related to life table

10/02/2015

Uses of life table.

11/02/2015

Unit-II

Topic: Abridged Life Table

Define Abridged Life Table with examples.

12/02/2015

Reed Merrel method of construction of Abridged Life Table.

13/02/2015

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

Lab Work: Practical will based on C

Find the mean and standard deviation for continuous data.

11/02/2015

(B-I)

12/02/2015

(B-II)

DEPARTMENT OF STAT & O. R., K.U. KURUKSHETRA

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

Name of the Course : Operations Research

Unit: I

Name of Teacher : Prof. N.K. Jain (Guest Faculty)

Lecture Schedule of the week : 9/2/2015 - 14/2/2015

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

Title of the topic:

1. Application of Simplex method to solve different types of Linear programming problems.
2. Duality method to solve the LPP.

Reference

1. Operations Research B.S. Goyal and S.K. Mittal
Pragati Prakashan, Meerut
2. Operations Research J. K. Sharma
Theory and Applications
MacMillan

N. Jain
8/2/2015

DEPARTMENT OF STAT & O. R., K.U. KURUKSHETRA

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

Name of the Course : Information Theory opt.(iii)

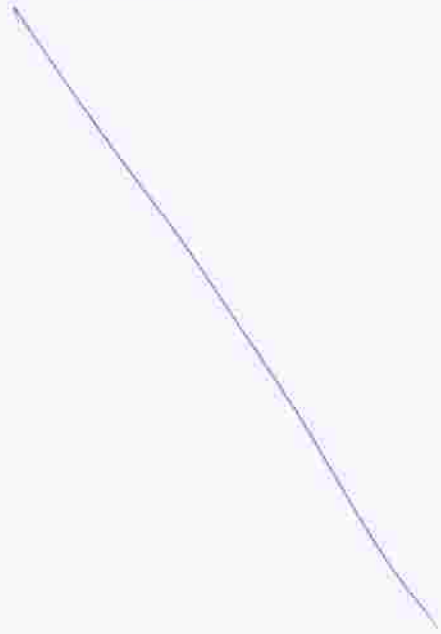
Unit: I

Name of Teacher : Prof. N.K. Jain (Guest Faculty)

Lecture Schedule of the week: 9/2/2015 — 14/2/2015

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

Title of the topic

1. Measure of uncertainty and its properties
 2. Measure of information for two dimensional discrete finite probability schemes.
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Reference

1) An Introduction to information Theory
McGraw Hill Book Co. Inc.

P. M. Raza

N. Jain
6/2/2015

Name of the Class: M. Sc. (Statistics) Semester-2nd

Name of the Course: Computer Fundamentals and Problem Solving Using C; Unit-I

Lecture of schedule of week: 09-02-15 to 12-02-15

Title of the topic

Types of software

Flowcharting

Decision table

Algorithms

Reference

1. Sinha, P.K. & Sinha, Priti, Computer Fundamentals, BPB
2. Dromey, R.G., How to Solve it By Computer, PHI

Name of the Class: M. Sc. (Statistics) Semester-4th

Name of the Course: Linear Estimation & Design of Experiments ; Unit-I

Lecture of schedule of week: 09-02-15 to 12-02-15

Title of the topic

Best linear unbiased estimators (BLUE)

Method of least squares

Gauss Markov theorem


Reference

1. Kshirsagar, A.M.(1972) : Linear Models, Marcell-Dekhar
2. Searle, S.R.(1971) : Linear Models, John Wiley & sons New York.

Practical (Computer based)

Title of the topic

Testing the significance of the mean of a random sample from a normal population.


(Dr. Jitender Kumar)
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