Biostatistics for Biological and Health Sciences
By
PROF. DR. H. ANWAR AHMAD

The Higher Education Commission has initiated a National Video Conferencing Program in collaboration with the L.E.J. National Science Information Center (ICCBS), University of Karachi. The program focuses on lectures/courses being delivered by eminent scholars/researchers in the chosen disciplines, aimed at building concepts, enhancing critical thinking, and developing understanding of the subject at undergraduate, graduate, and doctoral levels. This program also includes skill development courses/modules, and research lectures in which cutting edge technologies/research results in various fields of higher education will be presented.

These lectures/courses are relayed nationwide in various Universities and other HEI through VEPP (Virtual Education Project Pakistan). Every one eligible is welcome to register, attend and benefit from this important and innovative program.

Course Pre-Requisite:
Basic Biostatistics course or equivalent.

About the on-line course:
This course is of 1 credit hour. The course aims to develop understanding of the basic concepts of biostatistical methodologies. To apply these concepts in biomedical research. To familiarize with the SAS environment and be able to use SAS-procedures in various experimental designs and data analysis- depending upon the availability of the software package.

Course Contents:
- General Introduction to Biostatistics.
- Types of Studies; Frequency Distribution
- Summary Statistics
- Probability Concepts; Some Important Distributions.
- Statistical Inference
- Hypothesis Testing
- Confidence Interval; Inference about Mean
- Analysis of Variance

Program:
Date: May 9, 2017
Day: Tuesday and Wednesday
Time: 9:00 – 10:00 am
Venue: Video conferencing studios/rooms of participating Universities.

How to Register?
For registration, kindly contact VEPP Focal Person in your University. The L. E. J. Center will issue a certificate (1 credit hr) to successful participants.

Introduction of the Speaker:
Dr. Ahmad is a tenured Professor and Faculty Manager of the Biostatisticial and Bioinformatics Core, an NIH funded consulting facility at Jackson State University, Mississippi, USA. Dr. Ahmad is actively involved in multidisciplinary and multifunctional collaborative research nationally and internationally with organizations, such as US Department of Agriculture (Quantitative Risk Assessment Studies of Food borne Illnesses), Department of State (Establishing a Biostatistical Consulting Center in Pakistan), etc.

Dr. Ahmad has extensive publication record with more than 125 research papers, abstracts and conference proceedings.

Enrollment through Virtual Education Project:
a. Relevant departments at participating institutions will offer the course to their own students and enroll eligible students in the course.
b. The department will make the schedule of class meetings known and ensure the delivery of lectures with the help of university Technical Coordinators.
c. The department will keep attendance records of the registered participants.
d. The department will conduct exams/tests and grade tests according to keys provided by the lecturers.
e. Departments will accept results and grant credit for the course to qualified registered students.
f. Departments will coordinate closely with focal persons to carry out all these activities and arrange for an on-line Students Evaluation of Teachers (SET).