



THE VIRTUAL EDUCATION PROJECT PAKISTAN



Title of the Course

Biostatistics for Biological and Health Sciences

Course Coordinator

Prof. Dr. H. Anwar Ahmad

Credit Hours

This course fulfills one credit-hour course requirements. On-site students at the ICCBS will have 16 hours of formal classes.

Learning Objectives

1. To understand the basic concepts of biostatistical methodologies
2. To apply these concepts in biomedical research
3. 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.

Schedule: Time: 09:00 to 10:00 AM (Tuesday and Wednesday)

Weeks	Topics
1st week May 9 & 10, 2017 (Tuesday, Wednesday)	General Introduction to Biostatistics
2nd week May 16 & 17, 2017 (Tuesday, Wednesday)	Types of Studies; Frequency Distributions
3rd week May 23 & 24, 2017 (Tuesday, Wednesday)	Summary Statistics
4th week May 30 & 31, 2017 (Tuesday, Wednesday)	Probability Concepts; Some Important Distributions.

5th Week June 6 & 7, 2017 (Tuesday, Wednesday)	Statistical Inference
6th Week June 13 & 14, 2017 (Tuesday, Wednesday)	Hypothesis Testing
7th Week June 20 & 21, 2017 (Tuesday, Wednesday)	Confidence Interval; Inference about Mean
8th Week July 4 & 5, 2017 (Tuesday, Wednesday)	Analysis of Variance
9th Week July 11, 2017 (Tuesday)	Final Exam