

CURRICULUM DEVELOPMENT DIRECTORATE
Short-term Course on Research Methodology & Biostatistics
11th to 23rd June, 2018

Date	9.00- 10.45AM		11.00- 1.00PM
11-6-2018	Introduction to Biostatistics & Descriptive Statistics.	T E A B R E A K	Presentation of data.
12-6-2018	Descriptive Statistics.		Descriptive Statistics-practical.
13-6-2018	Sampling techniques and Sample size determination.		Measures of Variation.
14-6-2018	Data collection tools / Questionnaire. Types of Research and research design.		Measures of Variation-Practical.
15-6-2018	Elements of scientific enquiry and research process.		Identifying research question and formulation of hypothesis.
18-6-2018	Probability and probability distributions. Introduction to Hypothesis testing.		Z test and Student t- test.
19-6-2018	Measures of association.		Z test and Student t- test –Practical.
20-6-2018	Reliability, Validity and Kappa Statistic.		Bioethics
21-6-2018	Analysis of Variance.		Correlation and regression.
22-6-2018	Non parametric test.		Systematic review & Meta-analysis.
23-6-2018	Intraclass Correlation and ROC Analysis.		Logistic regression, Survival analysis.