



National University of Sciences and Technology

Course Description

Course Title	Course Code	Credit Hours
Clinical Biostatistics	BMES-862	3 – 0

TEXT BOOK:

- Bland M. An introduction to medical statistics. Oxford University Press, 2015 (latest edition).
- Altman DG. Practical statistics for medical research. London: Chapman and Hall 2006 (latest edition).

REFERENCE BOOK

- N/a

COURSE OBJECTIVES:

The objective of this course is to equip students with the necessary skills and knowledge to allow interpretation and critical understanding of analysis of data with an awareness of effect modification and confounding. The course will focus on the interpretation and correctness of statistics in published healthcare research.

COURSE OUTLINES

- Descriptive Statistics
- Significance tests
- Comparing means
- Transformations
- Categorical data
- Correlation regression
- Survival data
- Sampling theory
- Design of Experiments

ASSESSMENTS

Description	Percentage Weightage (%)
Assignments	05-10%
Quizzes	10-15%
Mid Semester Exams	30-40%
End Semester Exam	40-50%