

Form (H)
Short course description

Course title: BIostatISTICS	Course number and code: STAT 109
Previous course requirement: Non	Language of the course: English
Course level: First Year	Effective hours: 3(2+2+0)

Course description

This course covers the basic tools for the collection, analysis, and presentations of data in all areas of public health.

Course objectives

The purpose of the course is to give students an introduction to the discipline, and appreciation of statistical perspective on information arising from the health arena and basic critical appraisal skills to assess the quality of research evidence.

Learning outcomes (understanding, knowledge, and intellectual and scientific skills)

After studying this course, the student is expected to be able to:

- Knowledge of basic principles of the statistical data analysis.
- Memorizing statistical methods and techniques of sampling distributions.
- Implement the suitable statistical methods of the available data.
- Ability to the capability of choosing the appropriate statistical method for a particular application
- Formulate significant research questions, analyze data and interpret the results.
- Be familiar of a variety of examples where statistics helps accurately explain abstract of physical phenomena

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Biostatistics: Basic Concepts and Methodology for the Health Sciences	Wayne W. Daniel.	Wiley.	2017