Form (H)
Short course description

Course title: Statistical Methods	Course number and code: STAT 105
Previous course requirement: STAT 101	Language of the course: English
Course level: Year 2/ Level 3	Effective hours: 4 (3+2+0)

Course description

Some discrete and continuous Statistical distributions. Sampling distribution and central limit theorem. Estimation. Hypothesis testing. Chi-square tests. Analysis of variance. Analysis of correlation and regression.

Course objectives

Statistical distributions
Concept of estimation
Concept of testing
Introduction to the design of experiment

Learning outcomes (understanding, knowledge, and intellectual and scientific skills)
After studying this course, the student is expected to be able to:

Demonstrate capability of choosing the appropriate statistical method for a particular application
Formulate significant research questions, analyses data and interpret the results.
Read, evaluate, and interpret numerical, statistical and general scientific information.

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
Applied Linear Statistical Models	Kutner et al.	McGraw-Hill	2005