

Faculty of Pharmacy
Pharmaceutical Biostatistics

Information :

Course Code : PHL 214

Level : Undergraduate

Course Hours : 1.00- Hours

Department : Faculty of Pharmacy

Instructor Information :

Title	Name	Office hours
Lecturer	Yasmin Saad Abulfadl Okasha	4

Description :

This course represents an introduction to the field of biostatistics and provides a survey of data and data types. Specific topics include tools for describing central tendency and variability in data; scatter of data, methods for performing inference on population means and proportions via sample data; statistical hypothesis testing and its application to group comparisons; issues of power and sample size in study designs; and random sample and other study types. Hence, students will be able to perform a two-sample t-test and interpret the results; calculate a 95% confidence interval for the difference in population means, select an appropriate test for comparing two populations on a continuous measure, when the two sample t-test is not appropriate, understand and interpret results from Analysis of Variance (ANOVA), a technique used to compare means amongst more than two independent populations.