**Faculty of Pharmacy**

**Pharmaceutical Biostatistics**

**Information :**

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| **Course Code :** | PHL 214 | **Level :** | Undergraduate | **Course Hours :** | 1.00- Hours |

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| **Department :** | Faculty of Pharmacy |

**Instructor Information :**

| Title | Name | Office hours |
|---|---|---|
| Lecturer | Yasmin Saad Abulfadl Okasha | 4 |

**Area Of Study :**

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 size in study designs ; and random sample and other study types hence, students will be able to perform a two . Ásample 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.

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