

## Faculty of Computers and Information Technology

### Probability and Statistics

#### **Information :**

**Course Code :** BMT 122

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Computers and Information Technology

#### **Description :**

The course provides students with a fundamental understanding of probability theory and its applications in statistics. Topics covered in this course include basic probability concepts, probability theorems, conditional probability, independent and dependent events, the total probability rule, Bayes' theorem, discrete and continuous probability distributions, random variables, statistical principles, statistical analysis of data and various statistical measures. Hands-on provisions include practical exercises and/or data analysis projects to apply the learned concepts in real-world scenarios