

Faculty of Computers and Information Technology

Advanced Probability and Statistics

Information:

Course Code: BMT 211 Level: Undergraduate Course Hours: 3.00- Hours

Department: Faculty of Computers and Information Technology

Instructor Information:		
Title	Name	Office hours
Professor	Gamal Mabrouk Abdelhamid Abdellatif	3
Associate Professor	Abdelraheem Mohamed Abdelraheem Mohamed	
Teaching Assistant	Aya Esmaeel Abd Elghany Naeem Ibrahim	
Teaching Assistant	Manar Afify Farag Hassan abo el Soud	

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.