Form (H)
Short course description

Course title: Probability 1	Course number and code: STAT 215
Previous course requirement: Stat 101+ Math 111	Language of the course: Arabic
Course level: 4/ Year 2	Effective hours: 4(3+2+0)

Course description

Probability - Random variable (R.V) and its functions - Famous discrete probability distributions - Famous continuous probability distributions – R. vectors - Bivariate and Marginal probability distributions (Discrete and Continuous) - correlation and covariance - Moments and moment generating Function - conditional probability distributions – Independence - Distributions of Function of one and two random variables

Course objectives

The aim of this course is to introduce an introduction to distribution theory including: Student's knowledge of the basic probability theory, R.V's, its types and properties, the name of the distribution, the mathematical formula of its functions, and some of its properties and applications.

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

Student will do well in his studies.

Textbook adopted and supporting references

Title of the book	Author's name	Publisher's name	Date of publication
نظرية الاحتمالات وتطبيقاتها	د.محمد عقيل وآخرون	جامعة الملك سعود	1421هـ
نظرية الاحتمالات	د.جلال مصطفى الصياد	دار حافظ للنشر	1423هـ
Modern Probability Theory and Its Applcations	Emanuel Parzen	Wieley	1992