

Republic of Iraq

The Ministry Of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Horticulture and
landscaping

Stage: third Class

Lecturer name: Othman Khalid
Alwan

Scientific title: Dr. Professor

Qualification: Ph.D

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Course Instructor	Dr .Prof. Othman Khalid Alwan				
E-mail-1	athman56@yahoo.com				
E-mail-2	othmanalwan@uodiyala.edu.iq				
Title	Principles of Statistics				
Course Coordinator	First semester				
Course Objective	Knowledge of the basic concepts associated with statistics, its relationship with other social and human sciences, its functions, and areas of application.				
Course Description	Training the student to use available data to describe the phenomenon or phenomena under study.				
Textbook	Introduction to Statistics - written by Dr. Khashi Mahmoud Al-Rawi - University of Mosul .2000.				
Course Assessments	Theoretical semester tests %25	Practical semester tests 10%	Quizzes 5%	Final practical test %20	Final Exam 40%
General Notes	Final grade 100%				

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Course weekly Outline

Practical material	Theoretical material	Week
Applications	Introduction: Introduction to statistics, its functions, types of data, statistical symbols, and methods and techniques for collecting data.	2+1
Applications	Data presentation methods: Display metadata tabularly and graphically.	3
Applications	Descriptive statistics measures: (mean, median, mode). (Range, average absolute deviations,.	4
Applications	Variance and standard deviation (coefficient of relative variation, standard score)	5
Practical part exam	The first exam is the theoretical part	6
Applications	Principles of probability theory: Probabilities and their practical applications: some concepts related to probabilities, methods of calculating probability,	7
Applications	Discrete or discontinuous probability distributions (binomial distribution)	8
Applications	Probability Distributions of continuous Variables continuous probability distributions (normal distribution)	10+9
Practical part exam	The second exam is the theoretical part	11
Applications	Test of Hypothesis	12
Applications	Chi- Square Distribution	13
Applications	Simple Regression and Correlation	14
Applications	Using computers to solve statistical problems	15