

Republic of Iraq  
The Ministry Of Higher  
Education  
& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala  
College: Agriculture  
Department: Science Crop field  
Stage: second  
Lecturer name: Ali Ghedan  
Zaidan  
Academic Status: Prof  
Assistant  
Qualification: : Phd  
Place of work: Department of

### Flow up of implementation celli pass

Course Instructor	Ali Ghedan Zaidan				
E-mail	alizaidan@uodiyala.edu.iq				
Title	Principles of statistics				
Course Coordinator	spring				
Course Objective	Introducing the student to the concept and basics of statistics, and how it can be used in scientific fields, including medical, agricultural, economic, social, and other sciences, and providing the student with all knowledge and information related to statistical measurement in the field of experiments, research, and scientific studies.				
Course Description	The concept of statistics, the stages of its application and its types, the objectives of statistics, the study of the statistical population, the variables and their types, the sources of data collection and how to analyze them, the method of presenting statistical data, as well as the measures of central tendency, including the arithmetic mean, the mode, and others, and the measures of dispersion and difference, including variance, standard deviation, and mean, as well as correlation analysis, its nuclei, the measure of its calculation, and how to benefit from it in The subject of experiments and research, as well as regression analysis, the field of application and benefit from it in the field of forecasting, as well as knowledge of the application of the statistical model, analysis of variance, probability, and statistical tests that are of interest to scientific studies and research.				
Textbook	Al-Rawi, Khashi', Introduction to Statistics (1986), Dar Al-Kutub for Printing and Publishing, University of Mosul				
Course Assessments	Course	Course	Final exam	Exam	Final Degree
	25%	15%	40%	20%	100%
General Notes					

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week	Date	Topics Covered	Practical Part
1	4/2	Basics of statistics	Definitions of statistical terms
2	11/2	Statistical symbols	Examples of statistical symbols
3	18/2	Display and summarize statistical data	Practical examples of types of graphical displays
4	25/2	Frequency distribution tables	Examples of frequency distribution tables
5	3/3	Measures of central tendency	Examples of concentration metrics
6	10/3	Measures of dispersion and dissimilarity	Examples of measures of dispersion
7	17/3	Correlation, its types and measurement	Applications and examples of correlation Applications and examples of regression
8	24/3	Regression, its types and measurement	
9	31/3	Analysis of variance table	Applications and examples of the variance table
10	7/4	Normal distribution and probability distributions	Examples of normal distribution and calculating areas under the normal curve
11	14/4	Hypothesis testing statistical errors	Examples of hypothesis testing statistical errors
12	21/4	Hypothesis testing and t, f and z	Applications on testing and distributing t, f, z
13	28/4	distribution	Applications on the f distribution and hypothesis testing - f

		f distribution Hypothesis testing - f	
14	5/5	Chi-square test	Applications of chi-square test
15			

**Instructor Signature**  
**Ass.Prof. Ali Ghedan Zaidan**  
**15/1/2025**

**Dean Signature**  
**Prof. Dr. Raaed Ibrahim Khalil**  
**15/1/2025**