

Republic of Iraq

The Ministry of Higher
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Soil Sciences and
Water Resources

Stage: Second

Lecturer name: Ahme S. Abdullah

Qualification: PhD

Place of work: Soil Sciences and
Water Resources

Flow up of implementation celli pass play

Course Instructor	Ahmed Sulaiman Abdullah				
E-mail	ahmed_alogaidi_eng@uodiyala.edu.iq				
Title	Principles of Statistics				
Course Coordinator	Second Semester				
Course Objective	<ol style="list-style-type: none">1- Statistics studies the definition of statistics and the division of statistics.2- Introducing statistical symbols.3- Display and summarize data in frequency distribution tables.4- Calculating measures of mediation (centralization) and measures of dispersion.5- Calculating probabilities (combinations and permutations).6- Probability distributions (binomial distribution).				
Course Description	This course aims to deepen the student's knowledge of the basics of statistics. Basic topics include frequency distribution tables, measures of central tendency, measures of dispersion, principles of probability, probability distributions, normal distribution, hypotheses and statistical .decision making, correlation and regression				
Textbook	<ol style="list-style-type: none">1- Steel, R.G.D. and J.H. Torrie, 1980. principles and procedures of statistics.2- مبادئ الاحصاء تأليف د.خاشع الراوي, ١٩٨٠				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	%20	15%	%5		%60
General Notes					

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Week	Practical part	Theoretical part	Date	comments
1	Definitions of statistical terms	A historical overview of statistics and Definition of statistics.	31/01/2024	
2	Examples of statistical symbols	Statistical symbols	07/02/2024	
3	Practical examples of types of graphical displays	Display and summarize data	14/02/2024	
4	Examples of frequency distribution tables	Frequency distribution tables	21/02/2024	
5	Examples of concentration metrics	Positioning metrics	28/02/2024	
6	Examples of measures of dispersion	Measures of dispersion	06/03/2024	
7	Examples of permutations and combinations	Principles of probability Combinations and permutations	13/03/2024	
8	Examples of probability distributions and binomial distributions	Probability distributions Binomial distribution	20/03/2024	
9	Examples of normal distribution and calculating areas under the normal curve	Normal distribution	27/03/2024	
10	Examples of hypothesis testing	Hypothesis testing Statistical errors	03/04/2024	
11	Z –test	Z- test	10/04/2024	
12	Examples of uses of the t- test to test statistical hypotheses	t- distribution Hypothesis testing- t- distribution	17/04/2024	
13	Examples of the uses of the f- test in testing statistical hypotheses	f distribution - Hypothesis testing-f	24/04/2024	
14	Examples of the uses of the chi-square test in testing statistical hypotheses	Chi-square test	01/05/2024	
15	Examples of simple linear correlation and simple linear regression	Simple linear correlation and simple linear regression	08/05/2024	

توقيع العميد: أ.د. رائد ابراهيم خليل

توقيع الاستاذ: أ.م.د. احمد سليمان عبدالله