



Course description form


1.	: Course Name				
		Principles of agricultural statistics			
2.	:Course Code				
		AGST250			
3.	Semester/Year: Annual				
		2025 / stage Second / semester Second			
4.	Date this description was prepared				
		1/2/2025			
5.	Available forms of attendance:				
		In person			
6.	:(Number of study hours (total)/number of units (total				
		theoretical hours / 3 practical hours (5 hours) / 3.5 units 2			
7.	Name of the course administrator (if more than one name is (mentioned				
		Prof. Dr. Alaa Muhammad Abdullah		M.M . Farah Muhsen Ali	
8.	Course objectives				
		<ul style="list-style-type: none"> • . statistics Introducing the student to agricultural • Preparing agricultural cadres capable of familiarity with the means of preparing research and knowing the arithmetic mean • -for the purpose of self The skill of conducting field application development and personal development, and the skill of using educational methods • to advance the reality of economics, which the the student Preparing department is interested in addressing in its study programs 			
		learning strategies Teaching and .9			
		<ul style="list-style-type: none"> - Interactive lecture - Brainstorming - Dialogue and discussion - Field Training - Practical exercises - Field project - education-Self 			
		Course structure .10			

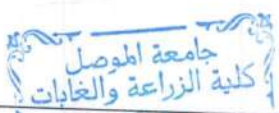

Evaluation method	Teaching method	Name of the unit/topic	Required learning outcomes	hours	the week
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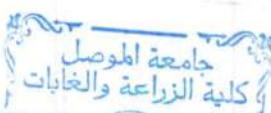

Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Time series The concept of - time series Time series - analysis Types of models -	A1 defines time series	Theoretical	1
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Identify statistics - and its importance Clarifying the - stages of statistical research Explaining the - relationship of statistics to other sciences	A2 Learn about the basics of agricultural statistics	Practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Components of the The -time series: 1 general trend First: How to boot by hand	B1 Lists the components of the time series	Theoretical	2
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Explaining the - branches of statistics Clarifying - agricultural census activities Identify the origins - and development of agricultural statistics	A2 Explains the branches of statistics	practical	

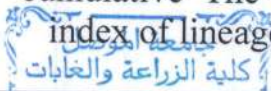

Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Second: The method of averages of the two halves of the series	A2 finds the general trend equation using the semiseries average method	theoretical	3
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Clarifying the role of the Food and Agriculture Organization Enumeration of types of agricultural statistics	C2 Explains the role of the Food and Agriculture Organization	practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Third: The moving average method	A2 finds moving averages	theoretical	4
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	The concept of agricultural censuses and their importance Comparing basic and current agricultural statistics Mention the benefits of censuses agricultural	A1 Knows agricultural censuses	practical	

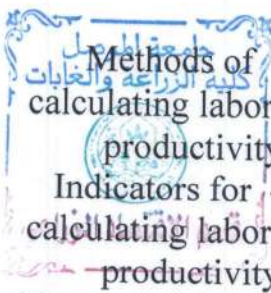
Semester exam 1, final exam	Interactive lecture brainstorming, dialogue and discussion, self learning	Fourth: The least squares method 	C1 Calculates the general trend equation using the least squares method	theoretical	5
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Explaining - agricultural census methods Explaining the - types of samples 	A2 Explains the methods of the agricultural census	practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Seasonal changes -2 First: The method of ratio to the moving average	C2 shows seasonal changes	theoretical	6
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Conditions that - must be met in the agricultural census Understanding the - obstacles and problems facing Agricultural census Explaining the - sources of errors in the agricultural census	B1 Enumerates the conditions that must be met in the agricultural census	practical	

Semester exam 1, final exam	‘ lecture brainstorming, dialogue and discussion, self learning	Second: Simple averages method	A3 is solved using the simple averages method	theoretical	7
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Steps to implement - the agricultural census 	B1 enumerates the steps for implementing the agricultural census	practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Third: The method of ratio to the general average	A4 is demonstrated using the general mean ratio method	theoretical	8
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Size and - composition of the total land stock Earth's balance - Sowed land and - planted land	C2Explains Earth statistics	practical	

Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Fourth: The method of ratio to the general trend 	C3 uses the method of ratio to the general trend	theoretical	9
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	 Examples of - economic evaluation of land	A1 defines the economic valuation of the land	practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	changes Periodic -3	C4 analyzes using periodic changes	theoretical	10
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Agricultural - production indicators kind estimation -In- of agricultural production Methods of - estimating agricultural production Commodity -	C2 shows agricultural production statistics	practical	

		balances for agricultural products Monetary - estimation of agricultural production			
Semester exam 1, final exam	Interacti ve lecture, brainsto rming, dialogu e and discussi -on, self learning	Irregular changes -4 	B5 Evaluates irregular changes	theoret ical	11
Semester exam 1, final exam	Interacti ve lecture, brainsto rming, dialogu e and discussi -on, self learning	 قسم الاقتصاد الزراعي Examples of - changes in agricultural production	C4Analyzes the change in agricultural production	practic al	
Semester exam 1, final exam	Interacti ve lecture, brainsto rming, dialogu e and discussi -on, self learning	Standard numbers Configure the - record number Simple index - number	A2 explains index numbers	theoret ical	12
Semester exam 1, final exam	Interacti ve lecture, brainsto	The Examples of - impact of factors on the growth of agricultural	C4 analyzes the impact of factors on agricultural	practic al	

	Brainstorming, dialogue and discussion, self learning	production	production growth		
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Unweighted - aggregate price indices The simple -1 aggregate index number cumulative The -2 index of lineages 	D1 estimates unweighted aggregate price indices	theoretical	3 1
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	 Number of - Workers Labor installation -	C2 shows labor statistics	practical	
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Weighted - aggregate price indices Laspeyres method -1 Bash method -2 Igort method	D1 estimates weighted aggregate price indices	theoretical	4 1
Semester exam 1, final exam	Interactive lecture, brainstorming,	-Labor movement - working time	A2 explains the movement of labor	practical	

	dialogue and discussion, self learning				
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	Standard numbers -) for quantities Laspeyre , Pasch, (Fisher Relative index - numbers for prices and quantities Linking standard - numbers	B4 Examines standard numbers of quantities	theoretical	15
Semester exam 1, final exam	Interactive lecture, brainstorming, dialogue and discussion, self learning	 Methods of - calculating labor productivity Indicators for - calculating labor productivity Change in labor - productivity	C1 Shows labor productivity	practical	

Course evaluation .11

% Relative weight	Class	Calendar date (week)	Calendar methods
52.	52.	the third week	(1 Short test Quiz)
20	20	the sixth week	Theoretical semester test
2.5	2.5	The ninth week	Short test (Quiz2))
40	40	Final semester exam	Final theoretical test
2.5	2.5	The first week	Practical short (1) Quiz test
5.2	2.5	fourth week	Short practical

10	10	the sixth week	Practical semester test
20	20	Final semester exams	Final practical test
100%	100%		the total
Learning and teaching resources .12			
Khalaf Abdul .Dr 'Agricultural Statistics Hussein		(Required textbooks (methodology, if any	
Ali Darb Kassar .Dr ' Agricultural Statistics		(Main references (sources	
Principles of probability and statistics Dr. Ezz Omar Qasim		Recommended supporting books and	
-Al Al -Applied Statistics Dr. Muhammad Ab Nuaimi, Dr. Hassan Yassin Tohme		(....references (scientific journals, reports	
nothing		Electronic references, Internet sites	

Theoretical subject teacher
Prof. Dr. Alaa Muhammad Abdullah

Practical subject teacher
M.M. Farah Muhsen Ali

Head of the Agricultural Economics Department

Chairman of the Scientific Committee

Dr. Zaid Fathi Abu

Prof. D.qais Nadm Kazal

