

Course description form

1. Course Name	
Design and analysis of agricultural experiments	
2. Course Code	
DAAE302	
3. year/Semester	
(fall)Second semester 2024–2023 The second phase	
4. Date this description was prepared	
2024/2/1	
5. Available attendance forms	
presence My	
6. (total)number of units /(total)Number of study hours	
units 3.5 /practical 3 +theoretical 2	
7. if more than one name is)Name of the course administrator (mentioned	
Raghad Naseer Walid .M :Name Nahid Sharif Omar .M .M	
8. objectives Course	
<p>:Practical</p> <p>Enable the student to become familiar with method of collecting data</p> <p>Classify them and choose the appropriate design for them if they are for one characteristic characteristics and then Or for two or more analyze them to determine the significance of results or not</p>	<p>Objectives of the study subject</p> <p>:theoretical</p> <p>– Enabling the student to understand and understand what is related to designing experiments</p> <p>important Enabling the student to know the most .methods in designing experiments</p> <p>– its .Enable the student to know the nature of components and features</p> <p>The most important and appropriate designs .analyzing this data</p> <p>Enabling the student to become familiar with d classifying data methods of collecting an .For the purpose of experiment design and analysis</p>

	<ul style="list-style-type: none"> - Empowering the student with his ability to know the most important designs in what they were - The data is placed in a simple table or a complex table <p>significance of the results The student can judge according to hypothesis testing</p>
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9. Teaching and learning strategies

<p>:Practical</p> <ul style="list-style-type: none"> - Adaptation through teamwork to reveal leadership skills - Adapt tasks and reports to learn about their mental skills 	<p>:My theory</p> <ul style="list-style-type: none"> Interactive lecture - Brainstorming - Dialogue and discussion - Adapt tasks and reports - - a scientific visit to private research centers Designing and analyzing experiments at calculating centers 	<p>The strategy</p> <p>Conducti</p>
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10. Course structure

Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	hours	the week
Short exams assignments discussions	Auditory method Writing style on the blackboard Dialogue style Direct	Introduction experimental design	A1He knows an introduction to Design of experiment definition of research) Applying the scientific method and analysis (variance	2 Theoretic	1

A short test with homework	Assigning tasks And report	Statistical metrics	D3Estimates statistical metrics Centering or mediating solving examples (on that	Practical	
Short exams assignments discussions	Auditory method Style of writing the blackboard Dialogue style Direct	Basic rules in Design of experiments	B1Familiar with the most important rules Basics in design experiments about the most important rules and experie (requirements	2 Theoreti	2

Solve examples with homework	Assigning tasks And report	Statistical metrics	D3Estimates metrics dispersion or)Statistics .(difference (Example solutions)	practical	
Short exams assignments discussions	Auditory method Writing style on the blackboard Dialogue style Direct	factor experiments-Single	B2 Proficient in relating experiments The Worker Single .(randomized design) The complete definition design and its features And its flaws And use it case Register a view One a appreciation Effects following a method Squares Minor	2 Theoretic	3
Solve examples with homework solutions	Assigning tasks report And	Statistical metrics	D3 estimates statistical metrics Dispersion disagreement in solving examples (on that	Practical	

Semester exam 1 with a final exam	Auditory method Writing style on the blackboard Dialogue style Direct	Hypothesis testing	C1 Proficient in hypothesis testing least significant difference (Duncan's difference)	2 Theoretical	4
Solve examples with homework	Assigning tasks And report	Completely randomized design	B6 gives examples of Completely randomized design and that Apply examples	Practical	
Short exams assignments discussions	Auditory method Writing style on the blackboard Dialogue style Direct	Randomized block design Complete	B3 Proficient in section design Complete randomization by definition of design Its advantages and disadvantages and the best for its application An example application	2 Theoretical	5

<p>Solve examples with homework</p>	<p>Assigning tasks And report</p>	<p>variance components Estimate</p>	<p>C7 Proficient in estimating variance components For a completely randomized design specify the most important laws in an analysis table variance</p>	<p>3 practical</p>	
<p>Short exams assignments discussions Short practical test with homework</p>	<p>Auditory method Writing style on the blackboard Dialogue style Direct Assignment Maha And report</p>	<p>Relative efficiency To design completely randomized blocks Comparison with completely randomized design Estimating variance components</p>	<p>C2 shows the relative efficiency To design completely randomized blocks Comparison with completely randomized design By clarifying the law of relative efficiency and estimating the missing value C7 Proficient in estimating variance components For a completely randomized design apply Questions on a completely randomized design Indirect</p>	<p>2 Theoretical</p>	<p>6</p>

<p>Short exams assignments discussions</p>	<p>Auditory method Writing style on the blackboard Dialogue style Direct</p>	<p>Latin square design</p>	<p>B4 Mastered box design Latin Defining design and its features And its flaws The basis of its application and application as an example On that</p>	<p>2 Theoretical</p>	<p>7</p>
<p>Solve tests on a completely randomized design</p>	<p>Assigning tasks And report</p>	<p>Estimating variance components</p>	<p>C7 Proficient in estimating variance components For a completely randomized design Conducting tests on design Complete randomness</p>	<p>practical</p>	
<p>Short exams assignments discussions</p>	<p>Auditory method Writing style on the blackboard Dialogue style Direct</p>	<p>Relative efficiency To design the Latin square compared to The rest of the designs</p>	<p>C3 Shows relative efficiency To design the Latin square compared to The rest of the designs law apply the Concerning relative efficiency and estimating missing value</p>	<p>Theoretical 1</p>	<p>8</p>

Solve examples with homework and a short practical test	Assigning tasks And report	Randomized block design Complete	C8 Gives examples of Randomized block design Complete by applying examples that	Practical	
and 2A semester exam with a final exam	Auditory method Writing style on the blackboard Dialogue style Direct	Global experiments	B5 Proficient in factorial experiments Definition and application of a global experiment Using a complete randomized design Defining experiments and its advantages and disadvantages Apply an example factorial experiments	Theoretical 1	9

Solve examples with homework	Assigning tasks And report	Relative efficiency To design random sector Compared with completely randomized design	C9Determines relative efficiency To design random sector Compared with randomized complete design Apply an example and calculate missing value	practical	
A short test with assignments and assignments	Auditory method Writing style on the blackboard Dialogue style Direct	Factorial experiments With three factors	D1Conducts factorial experiments factor equation - The model Mathematical and analysis of variance table	Theoretical	10
Solve examples with homework	Assigning tasks And report	Latin square design	C10Select examples of Latin square design applying an example on design	practical	

rk and a short practical test					
Short exams assignment tests discussions	Auditory method Writing style on the blackboard Dialogue style Direct	Factorial experiments in design Complete random sector	D2 concludes factorial experiments In a randomized block design Complete Mathematical model equation And an analysis of variance table	Theoretical 1	11
Solve examples with homework solutions	Assigning tasks And report	Examples of LSD	B7 gives examples of Direct latin square design	practical	
Short exams assignment tests	Auditory method Writing style on the blackboard Dialogue style Direct	General questions about CRD (Full review)	C4 identifies questions of design Direct and indirect complete randomization	Theoretical 1	12

discussions					
Solve examples with a short practical test	Assigning tasks And report	Examples of LSD	B7 Gives examples of design Latin indirect square	practical	
Short exams assignments discussions	Auditory methods Writing style on the blackboard Dialogue style Direct	General questions on RC (Full review)	C5 Sets questions on design Direct complete random sectors And indirect	Theoretical 1	13
Solve examples with a short test	Assigning tasks And report	Examples of LSD	B7 examples of Give design Latin square and estimation Design effects	Practical	

3 exam With a final test	Auditory method Writing style on the blackboard Dialogue style Direct	Questions about the Latin square LSD comprehensive (review)	C6 Marks questions on the box Latin direct and indirect	Theoretical 1	14
Give examples with homework	Assigning tasks And report	Missing value and method of estimating it in LSD design	C11 Clarifying the value lost and relative efficiency of the design Latin square and give it questions on	Practical	
Short exams assignments discussions	Auditory method Writing style on the blackboard Dialogue style Direct	Global Questions about experiments (Full review)	C6 Application of questions on using experiments Factorial design Complete randomness	Theoretical 1	15
Short test	Assigning tasks And report	Global experiments	C12 sets out examples Globalism	practical	
11. Course evaluation					

such as according to the tasks assigned to the student 100 Distribution of the grade out of
 .etc reports written exams monthly oral daily daily preparation

Relative % weight	Class	date Calendar (week)	Calendar methods	T
%13	7 theoretical + 1 6 practical	My theory for a (15)week My work week (15)	a final +A theoretical final report on the subject the operation	1
%6	4 Theoretic + al Practica2 1	(3)week	(1)Short test Quiz	2
%15	10 theoretical +1 5 practical	(9)week	theoretical and)Midterm test (practical	3
%6	Theoreti4 + cal Practica2 1	(12)week	(2)Short test Quiz	4
%20	20	Practical exams week	Final practical test	5
%40	40	The week of theoretical exams	Final theoretical test	6
%100	100		the total	

12. Learning and teaching resources

Design and analysis of experimer book	(if any methodology)Required textbooks
	(sources)Main references
Lectures and books published universities Iraqi	Recommended supporting books and (...reports scientific journals)references
Websites specialized in designing and analyzing experiments	Internet sites Electronic references

Instructor of theoritical part

Raghad naseer walid

Instructor of practical part

Nahid sharif omar

Chairman of the scientific committee

Prof. Dr. Moafak mahmood ahmed

Head of the department of Food science

Prof. Dr. Sumaya khalaf badawi

اسم الملف: وصف مقرر مادة تصميم وتحليل تجارب-انكليزي-23-24
الدليل: F:\ملفك يا عدي\2\1-622\1-446\381-100\2\collection 2\متعلقات
المعيار الثالث\ملفات وصف المنهاج المستلمة\دروس المرحلة الثانية\الكورس الاول\5- تصميم وتحليل
تجارب\النهائي
القالب:

C:\Users\Acer\AppData\Roaming\Microsoft\Templates\Normal.dotm

العنوان:
الموضوع:
الكاتب: Administrator
الكلمات الأساسية:
تعليقات:
تاريخ الإنشاء: 10:58:00 2024/04/18 م
رقم التغيير: 2
الحفظ الأخير بتاريخ: 10:58:00 2024/04/18 م
الحفظ الأخير بقلم: Acer
زمن التحرير الإجمالي: 1 دقيقة
الطباعة الأخيرة: 11:45:00 2024/04/18 م
منذ آخر طباعة كاملة
عدد الصفحات: 14
عدد الكلمات: 1,789 (تقريباً)
عدد الأحرف: 10,198 (تقريباً)



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