Course Description Form

1.00	2. Course Name:
Charge and the commence of the	Agricultre mite
3.	4. Course Code:
	AGAG 425
5.	6. Semester / Year:
	SECEND CURISE FOYRTH YEAR 2023\2024
7.	8. Description Preparation Date:
	1-2-2024
9.	10Available Attendance Forms:
	Classroom
10.	12Number of Credit Hours (Total) / Number of Units (Total)
	2 hours theory / 3 hours practical (5 hours) / 3 units
3	14Course administrator's name (mention all, if more than one name)
	Name: 1- Dr. saddam mowafak Hassan
	2- M.M. hamed Mohamed hamed
	Email: dr.saddam_hassan@uomosul.edu.iq
4	5 Course Objectives

- Introducing students to the common types of Nematode and their effect on crops, and explaining their transmission methods and infection mechanisms.
- Provide an understanding of the basic biology and ecology of Nematode, with an emphasis on the impact of environmental factors on their spread and development.
- Students learned the skills of diagnosing caecilian infections and analyzing the factors affecting them, using laboratory tests and field observation.
- Study means and methods of prevention and control of mite, including the use of pesticides and advanced agricultural techniques such as biological control.
- Analyze the economic and environmental impacts of mite, and study sustainable and preventive management methods to reduce their impact of erops.

 and the environment.
- Enhancing students' skills in planning and implementing field experiments

d scientific studies to effectively treat and control caecilian infestations.

• Encouraging students to research and interact with modern literature and research in the field of mite, and to contribute to developing innovative solutions to meet current challenges in this field.

Strategy	7 Teaching and Learning Strategies
	Brainstorming
	• Teamwork
	 Discussion
	 Discovery learning
	Problem solving or problem-based learning F-l earning
	L-Loaning
	 Practical field training
	 Think, discuss, share
8 9 W Ho Required Learning	Course Structure
W Ho Required Learning ee urs Outcomes	Unit or subject name Learning method Evaluation method

0	-	9 Cours	se Structure	the same of the sa	
W	Но	Required Learning	Unit or sublest		
ee k	urs	Outcomes	Unit or subject name	Learning method	Evaluation method
2	econ imp Prac inte	oretical a1 knows the nomic ortance of crosses tical: b4 tests the mite rnal systems and organs	Theoretical economic importance and factors for its success Practical: internal organs and growth and development of mites	interactive lecture, brainstorming, dialogue and discussion, self- learning	semester test 1, final test
	exter Prac	oretical: a3 understands the rnal form of the mite tical: b2 Writes a report ne mite's locations	Theoretical: The external form of the mite My work is where mites are found	Interactive lecture, brainstorming, dialogue and discussion, self- learning	semester test 1, final test
3				Interactive lecture, brainstorming, dialogue and discussion, field training	self-learning Short practical test
4	intern Practi	retical: a4 is familiar with the aal systems of the mite ical: b4 tests methods for eting and isolating mites from parts	Theoretical description of the internal organs of a mites Practical: Approved methods for controlling mites	Interactive lecture, brainstorming, dialogue and discussion, self-learning,	Semester test 1, final test, report. الم المراجعة المراجعة المراجعة الزراعة الزراعة الزراعة الزراعة المراجعة

	Theoretical: a4 is familiar with		Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-	Short practical test		
5	dream behaviors and adaptations Practical: b4 tests methods for collecting and isolating field mites	Theoretical: A description of the internal systems of a dream Practical: Methods of collecting and isolating mites from plant parts	learning , interactive lecture, brainstorming, dialogue and discussion, self- learning Interactive lecture,	semester test 1 , final test, report. Semester test 1 final test, report.		
	Theoretical: a4 is familiar with	Theoreticals Draws I. I.	brainstorming, dialogue and discussion field training, practical exercises, self- learning			
	mite behaviors and adaptations Practical: b4 tests methods for collecting and isolating field mites	Theoretical: Dream behaviors and adaptations Practical: Methods of collecting and isolating mites applied in the field	interactive lecture, brainstorming, dialogue and discussion , self-learning interactive	short test, final test Short		
6			lecture, brainstorming, dialogue and discussion, field training , practical exercises, self-learning	practical test		
Y	Theoretical: A1 knows examples of red mite families Practical: B4 tests laboratory rearing of mites	Theoretical: Examples of families and genera of the red mite Practical: Laboratory culture of organisms collected from the field	interactive lecture, brainstorming, dialogue and discussion, self-learning	semester test 2, final test		
			interactive lecture, brainstorming, dialogue and discussion	semester test 2, final test		
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- //	Theoretical: Work al knows	Theoretical: Example 6		!
	examples of red mite families	Theoretical: Examples of families and genera of the	interactive	self-learning,
1	Fractical: b2 writes a report ar	red mite	lecture,	semester test 2
'	Proparing carcasses for temporary	Practical: Preparation of	brainstorming,	, final test
'	slides	microscopes Comments	dialogue	, martest
8	1	microscopes for study and	and discussion	
0	1	microscopic preparations	Interactive	self-learning
, ,	1	for temporary slides	lecture,	Short
J	ĺ	1	brainstorming,	practical test
- 1	ĺ	1	dialogue	practical test
1	ĺ	1	and discussion,	ĺ Į/
	ı		field training,	I p
			practical	l p
	Theoretical al knows examples of	Tri	exercises	ı l
1	I fairfilles of false red mites	Theoretical: Some examples	Interactive	semester test 2,
1	Practical: B4 Examines public and	of the false	lecture,	final test.
1	private environments for mite	red mite, its families, and	brainstorming,	Į Į
	rearing	its genera	dialogue	1
1	1	Practical: Introducing students	and discussion,	ı l
-	l	to public and private	self-learning	
9	i	environments	Interactive	Short
·	i '	1	lecture,	practical test
1	'	1.00	brainstorming,	1
}	i '	1	dialogue and	1
1	i '	(Strains)	discussion	i l
	i '	[3 st : ·	, field training,	ı
	i '	[] ·	practical	ı
	(1	exercises, self-	1
	The antical at Image aromales of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	learning	<u> </u>
	Theoretical: al knows examples of	heoretical: Above the Arian	interactive	quarterly test 2
	Ariophytic mite families	mite family classification –	lecture,	
	Practical: b4 Tests the steps for	key to genera	brainstorming,	- 1
1	making a microscope slide	Practical: Steps for making	dialogue and	1
	!	microscopic slides of caries	discussion,	1
	!	1	self-learning Interactive	Short
	1	1	Interactive	
10		1	lecture,	practical test
1	1	1	brainstorming, dialogue and	1
	i I	ı	discussion,	f .
	1		field training,	ĺ
	1		practical	1
	(,	exercises, self-	1
			learning	1
		Theoretical: Some examples	interactive	final exam
		of the Ariovian dream	lecture,	Illiai chaili
		Practical: Collecting models in	brainstorming,	1
	·		dialogue and	1
	1	the field by students	discussion,	1
	Theoretical: a1 knows examples of	ı	self-learning	1
	Ariophytic mite families	l l	Interactive	1
11	Practical: b2 writes a report on	ļ ,		1
11	collecting camel specimens from		lecture,	1
	the field	l l	brainstorming,	
	the field		dialogue and	1
		-	discussion, field	
		J	training, practical	
*	·	. 😅 🖫 🚅 📶	exercises, self	1-1-7-3
ě.			learning.	اعاد الموصل
			عابات (و دليه الزراعة والغ
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12	Theoretical: a1 knows examples of Ariophytic mite families Practical: b2 writes a report on collecting camel specimens from the field		Theoretical: Some examples of the hairy wrist mites family Practical: Preparing slides by Students Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning. Interactive lecture, brainstorming, dialogue and discussion interactive lecture, brainstorming, dialogue and			eld tical f- Short practical test	
13	Theoretical: al knows examples of the Mites families of a poetic man Practical b4 tests some field symptoms		My theory: some example s of some models of the wrist hairline mites family, the wrist		discussion, fietraining, practexercises, self-learning Dialogue and discussion, selearning Dialogue and discussion, fietraining	Report Report	
		-	Practical: field sym models of plant- Theoretic	Observations of ptoms and collecting feeding mites cal: Ticks of medical	training, pract exercises, self learning	tical	
14	My theory: a1 knows examples of tick families My work b4 tests my process of collecting ticks from farm animals		and veterinary importance Practical: Collecting tick specimens from farm animals		lecture, brainstorming dialogue and discussion, se learning Interactive lecture, brainstorming dialogue and discussion, fitraining, prace exercises, sel learning	Shor t practical test 3	
15	My theory: A1 knows examples of tick families My work B4 tests my process of collecting ticks from farm animals		examples of tick fa My work		Brainstormin dialogue and discussion, so learning Brainstormin dialogue and discussion, for training, prace exercises	elf- ng, report	
1	10 11 Course Evaluation						
1 Re	Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc 12						e is
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Electronic References, Websites	

The theoretical subject teacher and the practical subject teacher

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