Description course / forest insects

1.	Course name:						
Fore	Forest insects						
2.	Course code:						
FOI	FOIN259						
3.	Semester/Year:						
Sec	ond Semester/Second Stage/ 2023-2024						
4.	The date this description was prepared :						
01/0	2/2024						
5.	Available attendance form						
In-P	erson						
6.	Number of study hours (total)/number of units (total)						
2 hc	urs theoretical/ 3 hours practical (5 hours)/3.5 units						
7.	Name of the course administrator (if more than one name is mentioned):						
Dr. S	Samer Ameer Hanna / Theoretical						
dr. F	laghad Abdul Razzaq Jamal / Practical						
8.	Course objectives						
•	The learner should be able to identify harmful and beneficial insects						
•	Knowing the impact ofweather and climate on the spread and distribution of insects						
•	Familiarity with the main causes that lead to insect epidemics						
•	Identify the types of control programs that will reduce injuries below the level of economic						
	damage						
•	Distinguish between types of chemical insecticides and use the best ones						
•	The learner's awareness of the taxonomic ranks of forest insect families, which saves time						
	and effort when combating them						
•	Determine the appropriate type of insect traps that can be used in forests and nurseries						
9.	TEACHING AND LEARNING STRATEGIES						
- Ir	rteractive lecture - Presentations of models of the body of insects						
- B	rainstorming - Assigning specific tasks and preparing reports on						
t	them						
 - D	- Dialogue and Discussion - Self-learning						
	Field Training - Practical Exercises						
	riactical Exercises						

10. 10. Course Structure

10.							
Week	Hours	Learning outcomes required for the	Unit or Topic Name	Learning method	Valuation		
		program*			Method		
				Interactive lecture,	Quiz1		
	2	A1: Recognize the location and importance of	Insect taxonomic site	brainstorming,	Final Quiz		
	Theor etical	taxonomic insects	and its importance	dialogue and	FIIIai Quiz		
				discussion, self- learning			
		A11: Identifies the most important		Interactive lecture,	"Little		
1		classifications of insects		brainstorming,			
1				dialogue and	Things."		
	3 Practi		Taxonomic Rankings	discussion, field training, self-learning	Little taste.		
	cal		For insects	training, sen-learning	Yeah, let's		
					run "Little		
					Things."		
	2	AO Familian with an interduction to famat		Interactive lecture,	Quarterly		
	Theor	A2 : Familiar with an introduction to forest entomology	Introduction to Enton	brainstorming, dialogue and	Quiz 1,		
	etical	onioniology	Mossy Woods	discussion, self-	Final Quiz		
				learning			
2	3 Practi cal			Interactive lecture,	Direct		
		A12: Familiar with insect collection methods	Methods of collecting	brainstorming, dialogue and	application		
				1	using		
			wiethous of concerning	training, practical	available		
				exercises, self-			
				learning	tools		
	2 Theor etical	A3: Identifies damage caused by insect pests in the forest	Domaga soused by	Interactive lecture,	Quarterly		
		pests in the lorest	Damage caused by Firstly: Insect pests (EXHALING) In the		Quiz 1,		
					Final Quiz		
3				learning			
	3 Practi cal	A13 : Identifies insect antennae	Methods of keeping	Interactive lecture,	View Field		
				brainstorming, and			
				discussion, field			
				training, self-learning			
	2 Theor etical	A4: Identifies vital factors affecting insect		Interactive lecture,	Quarterly		
4		distribution	bio factors	brainstorming, dialogue and	Quiz 1,		
			אוט ומטנטוס	discussion, self-	Final Quiz,		
				learning	. mai Quiz,		
	3 Practi cal	B3: Examine the area of the head in insects		Interactive lecture,	Practical		
		and its parts		brainstorming, dialogue and	Quiz 2,		
			Header Area In insects and its pa	discussion field	Live		
				training, practical			
				exercises, self-	Drawing		
				learning			

		A5:Recognize forest insects control		Interactive lecture,	0
	2	7.6.1.Coognize forest insects control	Resistance to fores	brainstorming,	Quarterly
	Theor		Forest insects	dialogue and	Quiz 1,
	etical		Control	discussion, self-	Final Quiz
				learning	Tillal Quiz
_		A13 : Identifies insect antennae		Interactive lecture,	Views from
5				brainstorming,	
	3 Practi		A 4	dialogue and	live
			Antenna For insects	discussion, field	models
	cal		TOI HISECIS	training, practical	
				exercises, self-	
				learning	
	_	A6: Summarizes the impact of parasitism in		Interactive lecture,	Quiz, Final
	2	insects		brainstorming,	Quiz
	Theor		Insect parasitism	dialogue and	Quiz
	etical			discussion, self-	
		D2. Franking the grants of the grant his increase		learning	
6		B2: Explains the parts of the mouth in insects		Interactive lecture, brainstorming,	Direct
	3			dialogue and	drawing
	Practi		Parts of the mouth in		and
	cal		Tarts of the mouth in	training, practical	and
				exercises, self-	homework
				learning	
		A7: Determines the impact of legislative		Interactive lecture,	Quarterly
	2	control on the spread of insects		brainstorming,	,
	Theor etical		Legislative control	dialogue and	Quiz 2,
				discussion, self-	Final Quiz
				learning	
7		A15: Mention the role of the chest and its		Interactive lecture,	Figure
,	3 Prooti	accessories in insects		brainstorming,	Presentati
			***	dialogue and	1 1C3CIIIati
	Practi		Wings in insects	discussion, field	on
	cal			training, practical exercises, field	
				project, self-learning	
		A8: Identifies direct biological control	UNTRANSLATED		Quartark
	_	Table 18 St. Miles Canada St.	المكافحة ART	brainstorming,	Quarterly
	2		ـــــــــــــــــــــــــــــــــــــ	<u>o</u> .	Quiz 2,
	Theor etical		_END	discussion, self-	Final Quiz
			 Direct	learning	30.2
			Biological control		
8		C4: Explains the presence of simple and		Interactive lecture,	Direct
	3 Practi cal	compound eyes in insect species		brainstorming,	drovina
				dialogue and	drawing
			Eyes in insects	discussion, field	and
				training, practical	homework
				exercises, self-	
-		C1. Applyage how posticides are divided		learning leature	_
9	2 Theor etical	C1: Analyzes how pesticides are divided	Division of	Interactive lecture, brainstorming,	Quarterly
		according to how they enter the insect's body	pesticides by	dialogue and	Quiz 2,
		body	How it enters	discussion, self-	
			the insect's	discussion, son-	Final Quiz

			body	learning	
	3 Practi	C5 : Shows the function of the abdomen and its accessories in insects	Abdomen & Accesso	training, practical	Direct drawing and homework
		C2 : Uses scientific names to identify		exercises, self- learning Interactive lecture,	
10	2 Theor etical	attractants and repellents	Attractants and repellents	Interactive lecture, brainstorming, dialogue and discussion, self-learning	Quarterly Quiz 2
	3 Practi cal	C6: Clarifies the functions of the legs and their parts	Legs in insects	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self-learning	Live Drawing Homework
	2 Theor etical	C3: Explains the most important methods of integrated control	Integrated Resistance Integrated control	Interactive lecture, brainstorming, dialogue and discussion, self-learning	A final test
11	3 Practi cal	C7: Chronology of insect phases	Evolution in insects	Interactive lecture, brainstorming, dialogue and	– Homework
12	2 Theor etical	A9: Recognize the nature of nutrition in leaf food	Nutrition Natures in Leaf Food	Interactive lecture, brainstorming, dialogue and discussion, self-learning	A final test
	3 Practi cal	C8: Detects insect infestations with a scientific visit to the forest	Discovering insect i forest in addition to	i discrission - Held	Direct drawing and homework
13	2 Theor etical	D1 : Moderates panel discussions on leaf- eating insect species	Insect species Not like knives, bed dull,	Interactive lecture, brainstorming,	A final test
	3 Practi cal	A18 : Explains the ranks and ranks of insects	Under an insect que Wingless	Interactive lecture, brainstorming, dialogue and discussion, field	– Homework

						training, pract exercises, s learning	ical self-	٠
	2 Theor etical	B1: Looks for damage binders insects	e caused by leaf	Paper Associa	ations	Interactive lect brainstorming, dialogue	ure, and self-	Quiz, Final Quiz
14	3 Practi cal	A17: Classify winged ins	sects	Under Row Winged Insec	ts	discussion, f training, pract	and ield	"Little Things." Little taste. Yeah, let's run "Little Things."
	2 Theor etical			Foreskin and Bark Insects wood / types of bark beetles		0	ure, and self-	Quiz, Final Quiz
15	3 Practi cal	A14: Identifies insects inside wing growth		- Really? Interior of the wings		Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, field project, self-learning		"Little Things." Little taste. Yeah, let's run "Little Things."
11.	Course	e Evaluation			ļ			
This servic e allows custo mers to issue a permit	evaluation methods Cal		Calendar Appointment	(Week)	Degre	e		lative eight%
1	Report I		Week 4		2.5		2.5	
3	Weather Report - %1 - %2 Quiz (1)		Week 5 Week 6		2.5		2.5	<u>; </u>
4	Quiz 2 (Islamic Translation)		Week 4		2		2	
5	Quiz (3)		Week 5		1		1	
6	- A midterm?				7.5		7.5	
7 8	- A midterm? Final theoretical test				7.5 40		7.5	
9	Practical Field Drawing				5		5	
10	Laboratory assessment		Week 3 2				2	

11	Practical Quiz (1) Quiz	Week 1	1	1	
12	Practical Quiz (2) Quiz	Week 4	0.5	0.5	
13	Practical Quiz (3) Quiz	Week 4	1	1	
14	Direct Drawings and Homework	Weeks 6, 8,9,10,11,12 and13	5.5	5.5	
15	Final Practical Test	senior year	20	20	
	Total	100	100%	100%	
12.	Learning and Teaching Res	ources			
Requir	red textbooks (methodology if an	Swailem , Saleh Muhammad and Ministry of Higher Education an for Printing and Publishing - Mos	d Scientific Research, 1		
Key R	eferences (Sources)	- None			
Recon	nmended supporting books and	None			
referer	nces (scientific journals, reports				
)					
E-Ref	erences, Websites	https://www.noor-book.com/tag/ % D8% B9% D9% 84% D9			
		85-% D8% AD % D89	% B4% D8% B1%	5 D8% A7% D8% AA-	
		D8% A7% D9% 84	% D8% AB % D8	% A7% D8% A8% D8	
				<u>A7% D8%.</u>	

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