

Description course / forest insects

1.	Course name:			
		Forest insects		
2.	Course code:			
		FOIN259		
3.	Semester/Year:			
		Second Semester/Second Stage/ 2023–2024		
4.	The date this description was prepared :			
		01/02/2024		
5.	Available attendance form			
		In-Person		
6.	Number of study hours (total)/number of units (total)			
		2 hours theoretical/ 3 hours practical (5 hours)/3.5 units		
7.	Name of the course administrator (if more than one name is mentioned) :			
		Dr. Samer Ameer Hanna / Theoretical dr. Raghad Abdul Razzaq Jamal / Practical		
8.	Course objectives			
		<ul style="list-style-type: none"> • The learner should be able to identify harmful and beneficial insects • Knowing the impact of weather 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			
		<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> - Interactive lecture - Brainstorming - Dialogue and Discussion - Field Training </td> <td style="width: 50%; vertical-align: top;"> <ul style="list-style-type: none"> - Presentations of models of the body of insects - Assigning specific tasks and preparing reports on them - Self-learning - Practical Exercises </td> </tr> </table>	<ul style="list-style-type: none"> - Interactive lecture - Brainstorming - Dialogue and Discussion - Field Training 	<ul style="list-style-type: none"> - Presentations of models of the body of insects - Assigning specific tasks and preparing reports on them - Self-learning - Practical Exercises
<ul style="list-style-type: none"> - Interactive lecture - Brainstorming - Dialogue and Discussion - Field Training 	<ul style="list-style-type: none"> - Presentations of models of the body of insects - Assigning specific tasks and preparing reports on them - Self-learning - Practical Exercises 			

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

5	2 Theoretical	A5: Recognize forest insects control	Resistance to forest Forest insects Control	Interactive lecture, brainstorming, dialogue and discussion, self- learning	Quarterly Quiz 1, Final Quiz
	3 Practical	A13 : Identifies insect antennae	Antenna For insects	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self- learning	Views from live models
6	2 Theoretical	A6: Summarizes the impact of parasitism in insects	Insect parasitism	Interactive lecture, brainstorming, dialogue and discussion, self- learning	Quiz, Final Quiz
	3 Practical	B2: Explains the parts of the mouth in insects	Parts of the mouth in i	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self- learning	Direct drawing and homework
7	2 Theoretical	A7: Determines the impact of legislative control on the spread of insects	Legislative control	Interactive lecture, brainstorming, dialogue and discussion, self- learning	Quarterly Quiz 2, Final Quiz
	3 Practical	A15 : Mention the role of the chest and its accessories in insects	Wings in insects	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, field project, self-learning	Figure Presentati on
8	2 Theoretical	A8: Identifies direct biological control	UNTRANSLATED ART المكافحة الحيوية UNTRANSLA _END Direct Biological control	Interactive lecture, brainstorming, dialogue and discussion, self- learning	Quarterly Quiz 2, Final Quiz
	3 Practical	C4: Explains the presence of simple and compound eyes in insect species	Eyes in insects	Interactive lecture, brainstorming, dialogue and discussion, field training, practical exercises, self- learning	Direct drawing and homework
9	2 Theoretical	C1: Analyzes how pesticides are divided according to how they enter the insect's body	Division of pesticides by How it enters the insect's	Interactive lecture, brainstorming, dialogue and discussion, self- learning	Quarterly Quiz 2, Final Quiz

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

				training, practical exercises, self-learning	.
14	2 Theoretical	B1: Looks for damage caused by leaf binders insects	Paper Associations	Interactive lecture, brainstorming, dialogue and self-learning	Quiz, Final Quiz
	3 Practical	A17: Classify winged insects	Under Row Winged Insects	Interactive lecture, brainstorming, dialogue and field practical self-learning	"Little Things." Little taste. Yeah, let's run "Little Things."
15	2 Theoretical	A10: Describes bark, bark and wood bark insects/bark beetle species	Foreskin and Bark Insects wood / types of bark beetles	Interactive lecture, brainstorming, dialogue and self-learning	Quiz, Final Quiz
	3 Practical	A14: Identifies insects inside wing growth	- Really? Interior of the wings	Interactive lecture, brainstorming, dialogue and field practical field project, self-learning	"Little Things." Little taste. Yeah, let's run "Little Things."

11. Course Evaluation

This service allows customers to issue a permit	evaluation methods	Calendar Appointment (Week)	Degree	Relative Weight%
1	Report I	Week 4	2.5	2.5
2	Weather Report - %1 - %2	Week 5	2.5	2.5
3	Quiz (1)	Week 6	2	2
4	Quiz 2 (Islamic Translation)	Week 4	2	2
5	Quiz (3)	Week 5	1	1
6	- A midterm?	Week 6	7.5	7.5
7	- A midterm?	Week 11	7.5	7.5
8	Final theoretical test	senior year	40	40
9	Practical Field Drawing	Week 5	5	5
10	Laboratory assessment	Week 3	2	2

