343 Economic Entomology **Course Description** Taxonomical study of the most important insect pests of field and horticultural crops in the kingdom, life cycle, host plants, symptoms, nature of damage and their control. Syllabus lectures:-The main items that the syllabus tackles are as following:-1- insect orders 2- Common pests of orthoptera and their control. 3- Common pest of Isoptera and leaf-miners and their control. 4- Common pests of Homoptera (whiteflies, aphids, scale insects, mealbugs)> 5- Thrips, cutworms leaf worm and their control. 6- Date palm tree pests, pests of fronds and fruits). 7- Date palm tree pests 2 (borers). 8- Red palm weevil and control. 9- Citrus pests and their control. 10-Grape vine, fig and olive trees insect pests. 11-Cucurbit plant insect pests and their control. 12-Solanacae plant insect pests and their control. 13-Leguminacea plant pests and their control 14-Wheat, barely and sorghum crop pests and their control. 15-Alfalfa plant insect pest and their control. 16-Ornamental plant insect pests and their control. 17-Stored product insect pests and their control.

Repor	rts and Homo works			
First:	reports			
1-	Report about insect orders, not			
	less than 20 orders, including			
	type of wigs metamorphosis			
	and mouth-types.			
2-	Report on insect pests of one			
	selected crop; design an IPM			
	for these pests.			
Second: Home works:				:
1-	Comparison between different			
	classes of Arthopods.			
2-	Types of mouthparts in			
	immature mature stages of each			•
	order.			
3-	Give examples of the			
	following:-			
	Orders of apetrygota insects.			
	Order the hind wing modified			
	to halters.			
	Order front wing modified to			
	halters like.			
	An example of an insect hind			
	_		-:	:
	(not from Diptera).			
4-	Why is it very important to			
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	reasons behind that.	`	,	
5- 6-	identified insects to order level? Metamorphosis is an important biological feature in insects. How we can get benefit of it in application in term of symptoms and control. Mouthpart type is varying among insects, what is the importance of knowing the moth parts from the application point of view. Desert locust is very destructive pest, however. Their damages were reduced significantly comparing with 50 years ago, what are the main	.i .ii .iv	-: -:	

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8- Desert locust and grasshopper	.()	
are belonging to one order.	,			
What are the differences			•	
between them in term behavior,				
biology, economic importance				
and control?				
9- Whitefly is the most destructive				
insect pest that attacks			•	
•				
vegetable plants. What is the				
justification for that?				
10-Why whiteflies are more				
efficient as vectors comparing			•	
with most aphids in.				
11- Termites are considered as				
tropical and sub-tropical pests.				
Who their colonies are				
increased in numbers, (forming				
new colonies).				
12- Why is it difficult to control				
leaf-miners?				
13-Why red palm weevil is very				
destructive pest.		()	
14-What is the nature of the		`	,	
relationship between red palm				
weevil and stalk borer (<i>Oryects</i>				
sp.)				
15-Make a list of tomato insect				
pests, starting with the most				
important pest and ending with				
the least important one.				
16-Alfalfa leaf-weevil, <i>Hyper</i>				
postica, is the most destructive			_	
insect pest that attacking alfalfa			•	
crop. Why it goes into summer				
aestivation and is the side				
effect of it on its biology and			•	
on the control program?				
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