

Republic of Iraq

The Ministry Of Higher  
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala  
College: Agriculture  
Department: Field crop  
sciences

Stage: Third

Lecturer name: Tareq Saadi  
Abbas

Qualification : PhD.

Place of work: Coll. Of  
Agriculture

## Flow up of implementation celli pass

Course Instructor	Dr. Tareq Saadi Abbas				
E-mail	tariq.saadi@uodiyala.edu.iq				
Title	Field crop insects				
Course Coordinator	Second				
Course Objective	Introducing students to the most important insects harmful to field crops in Iraq in terms of their spread, the hosts they infect, symptoms of infection, and the life history of the insect, and developing available programs for integrated pest management, with a focus on protecting the environment from pollution with chemical pesticides, with the necessity of preserving the natural enemies of these insects, as well as protecting Farmers and their plant and animal wealth are exposed to the risks of contamination with these chemical compounds.				
Course Description	Crop insects are part of economic entomology. The basic material of this science depends on the results of studying the life history of harmful insects, their spread, and the plant hosts they infect, as well as the forms of relationships with their natural enemies. This science is also concerned with the means of control that can be applied to reduce the damage of harmful insects.				
Textbook	1- Al-Azzawi, Abdullah Falih, Ibrahim Qaddouri Qaddo, Haider Saleh Al-Haidari. 1990. Entomology. Dar Al-Hekma for Printing and Publishing, 252 pages. 2- Al-Adel, Khaled Muhammad. 2006. Pesticides, basic concepts and their role in the agricultural and health fields. First edition: 422 pages 3- Al-Shukri, Mahdi Majeed.1991. The basics of fungi and their plant diseases. Ministry of Higher Education and Scientific Research - University of Baghdad				
External sources	scientific journals				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%		60%
General Notes					

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Water Resources  
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week	Date	Topics Covered	Practical Part	Notes
1	1 st week	Kingdoms of life and the position of insects in the animal kingdom, binomial nomenclature, forms of insect damage to plants, animals and stored food materials	Arthropoda phylum classes Insect taxonomic position	
2	2 nd week	Methods of controlling field crop insects	External appearance of the insect body, head and its appendages, mouth parts and appendages, and types of antennae.	
3	3 rd week	Methods of controlling field crop insects Integrated management of field crop insects	Chest and its appendages, types of legs, types of wings, abdomen and its appendages	
4	4 th week	The most important insects of cereal crops, wheat and barley insects	Growth, reproduction and morphology in insects, larvae and pupae	
5	5 th week	Corn insects	First month exam	
6	6 th week	First month exam	The most important insects of cereal crops, wheat and barley insects	
7	7 th week	Rice bugs	Corn insects	
8	8 th week	legume insects	Rice bugs	
9	9 th week	bugs and clover	legume insects	
10	10 th week	The most important insects of industrial crops are cotton insects.	bugs and clover	
11	11 th week	Sesame insects	The most important insects of industrial crops are cotton insects.	
12	12 th week	Rapeseed insects Sugar beet insects	Sesame insects	
13	13 th week	Second month exam	Rapeseed insects Sugar beet insects	
14	14 th week	sunflower insects	A tour of the fields	

Instructor Signature  
Dr. Tareq Saadi Abbas  
15/1/2025

Dean Signature  
Prof. Dr. Raaed Ibrahim Khalil  
15/1/2025