

Course Description Form of Insects Field Crop

Course Name:					
Insects Field Crops					
Course Code					
INSF312					
Semester/Year					
Second / 2025					
Date this description was prepared					
15 January 2025					
Available attendance forms					
In-Person					
Number of Credit Hours (Total)/ Number of Units (total)					
Number of Hours = 5 , Number of Units = 3.5					
Name of the course administrator (if more than one name is mentioned)					
Dr. Tarek Saadi Abbas					
Course Objective					
Introducing students to the most important insects harmful to field crops in Iraq in terms of their spread, the families that infect them, the symptoms of infection and the Biology history of the insect , and developing the available programs for integrated pest management, with a focus on protecting the environment from pollution by chemical pesticides, with the need to preserve the natural enemies of these insects , as well as protecting farmers and their plant and animal wealth from the risks of pollution by these chemical compounds.					
Teaching and Learning Strategies					
1 Crop insects are part of economic entomology. The basic material of this science depends on the results of studying the biology history of the harmful insect, its spread and the plant families that infect it, as well as the forms of relationship with its natural enemies. This science is also concerned with the means of control that can be applied to reduce damage of harmful insects.					
Course Structure					
Week	Credits	Intended Learning Outcomes	Unit or Topic Name	Learning Method	Evaluation Method
1	2	The kingdoms of Biology and the location of insects in the animal kingdom, the binomial designation, the forms of insect damage to plants, animals and stored foodstuffs	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
2	2	Field Crop Pest Control Methods	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
3	2	Field Crop Pest Control Methods Integrated management of field crop insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
4	2	The most important grass crop insects, wheat and barley insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam

5	2	Yellow corn and sorghum insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
6	2	Month 1	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
7	2	Rice insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
8	2	Legume Insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
9	2	Jet and Clover Insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
10	2	The most important industrial crop insects are cotton insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
11	2	Sesame Bugs	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
12	2	rapeseed insects Sugar Beet Insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
13	2	Second month	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
14	2	Sunflower Insects	Insects Field Crop	Explanation and presentation of the model and lecture	Exam
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Course Evaluation

EXAMINATIONS

Daily exams with discussion questions within the lecture

Degree of participation in questions related to the subject

Learning and Teaching Resources;

Required textbooks (methodology if any)

1- Al-Azzawi , Abdullah Fleih , Ibrahim Qaddouri Qadd , Haider Saleh Al-Haidari . 1990 Economic Insects Dar Al-Hikma for Printing and Publishing.

	2- Al-Adil, Khaled Muhammad. 2006 Pesticides are basic concepts and their role in the agricultural and health fields. - First editions.
Key References (Sources)	
Recommended supporting books and references (scientific journals, reports)	C/N H. Roldos de la Sovera, Montevideo
E-References, Websites	