

Course Description Form

1. Course Name:
Beekeeping
2. Course Code:
3. Semester / Year
: 2023-2024
4. Description Preparation Date: 5-4-2024
10/3/2024
5. Available Attendance Forms: Full time (theoretical lecture + practical) weekly
Full time (theoretical lecture + practical) weekly
6. Number of Credit Hours (2 theoretical + 3 practicals weekly for (15 weeks)/) / Number of Units (3.5 units)
7. Course administrator's name (mention all, if more than one name)
Name: Assi. Pro. Dr. Hussein Ali Mutney
Email: huseinmutney@uodiyala.edu.iq
8. Course Objectives
The student should get acquainted with the field of identifying the types of insects and arthropods that transmit diseases to farm animals <ul style="list-style-type: none">• Applying for external tests by local/regional/international bodies.• Thinking and analysis skills that enable us to reach knowledge of the methods that led to the occurrence of infections and the spread of diseases between humans and farm animals.
9. Teaching and Learning Strategies
Enabling students to obtain knowledge and understanding in distinguishing between types of insect infestations and the factors that led to their spread. 2- Enabling students to obtain knowledge and understanding of the methods of disease infections, their spread, and the disease cycle that is transmitted by insects and other arthropods. 3- Enabling students to obtain knowledge and understanding in distinguishing between

types of insects, their veterinary importance, methods of their spread, and methods of combating them.

4- Introducing the student to laboratory work and how to collect, preserve and diagnose insect.

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
the first	5	Honey bee strains, genetic characteristics adopted to diagnose bee strains, good	Beekeeping	Explanation, presentation of the model and lecture	the exam
the second	5	characteristics of honey-producing strains	Beekeeping	Explanation, presentation of the model and lecture	the exam
the third	5	Honey bee strains, genetic characteristics adopted to diagnose bee strains, good	Beekeeping	Explanation, presentation of the model and lecture	the exam
the fourth	5	characteristics of honey-producing strains	Beekeeping	Explanation, presentation of the model and lecture	the exam
Fifth	5	Honey bee strains, genetic characteristics adopted to diagnose bee strains, good	Beekeeping	Explanation, presentation of the model and lecture	the exam
VI	5	characteristics of honey-producing strains	Beekeeping	Explanation, presentation of the model and lecture	the exam
		External			

Seventh	5	anatomy of the bee body (head and appendages, thorax and appendages, abdomen and appendages).	First exam	and lecture	the exam
	5			Explanation, presentation of the model and lecture	the exam
VIII			Beekeeping	Explanation, presentation of the model and lecture	
Ninth	5	The digestive system and its appendages, the mechanics of digestion, the method of converting nectar into honey, the excretory system (its divisions, its work and its role in elimination).	Beekeeping		the exam
	5			Explanation, presentation of the model and lecture	the exam
The tenth		The circulatory system, its divisions, functions, the respiratory system, the first month's exam	Beekeeping		the exam
	5			Explanation,	

eleventh		Its divisions, respiratory stomata and their distribution, nervous system		presentation of the model and lecture	the exam
twelveth	5	The female reproductive system, its divisions, factors affecting the average number of eggs laid by the queen, the male reproductive system, its divisions	Beekeeping	Explanation, presentation of the model and lecture	the exam
Thirteenth	5		Second exam	Explanation, presentation of the model and lecture	the exam
fourteenth	5	The life of the members of the bee colony (the queen, the worker, the male)	Beekeeping	Explanation, presentation of the model and lecture	the exam
		The various phenomena in the lives of	Beekeeping		

		<p>members of the sect (expulsion, false mothers, theft), their causes, signs of their appearance, methods of controlling them</p> <p>The basic rules for establishing an apiary, the foundations of beekeeping, and the factors that help in the success of raising standard bee queens</p> <p>The importance of bees in cross-pollination of plants. Monthly exam</p>	<p>Beekeeping</p>	<p>Explanation, presentation of the model and lecture</p>	
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11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

12.Learning and Teaching Resources	
<ol style="list-style-type: none"> 1. Al-Naji, Louay Karim. (1980). Beekeeping and silkworms. 2. Al-Ali, Abdel-Baqi Muhammad. (2011). Beekeeping . 	
-. The hive and the honey bee	Iraqi academic scientific journals
Electronic References, Websites	