

Republic of Iraq

The Ministry Of Higher  
Education

& Scientific Research

بسم الله الرحمن الرحيم



University: Diyala

College: Agriculture

Department: Animal Production

Stage: Third

Lecturer name: Hussein Ali

Moutny

Qualification: Ass. Pro.

Place of work: Collage of Agriculture

## Flow up of implementation celli pass play

Course Instructor	Hussein Ali Mutney				
E-mail	husseinmutney@uodiyala.edu.iq				
Title	Medical and veterinary Entomology				
Course Coordinator	Second semester				
Course Objective	Teaching students and introducing them to the most important insect pests that affect farm animals, learning about their classification and scientific names, the most important symptoms they cause, and methods of prevention that affect animal production.				
Course Description	Teaching students and introducing them to the types of mouthparts in insects and their metamorphosis , the most important insects and pathogens that these insects transmit to humans and animals, the life cycle of these insects, methods of control and prevention.				
Textbook	1- Abu Al-Hab, Jalil Karim. 1979. Medical and veterinary insects in Iraq. Theoretical section. Iraq, University of Baghdad: 451 p. 2. Qaddo, I. Q. and Hussein A. A.. 2015. General Entomology. Republic of Iraq - Ministry of Higher Education and Scientific Research. 442 pp.				
Course Assessments	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	15%	5%		60%
General Notes	Type here general notes regarding the course				

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week	Date	Topics Covered	Practical Part
1	1 <sup>st</sup> Week	Introducing students to general information about entomology and arthropods	importance of veterinary entomology
2	2 <sup>nd</sup> Week	Introducing students to insects that transmit pathogens	Types of mouth parts in parasitic insects
3	3 <sup>rd</sup> Week	A continuation of the explanation and clarification of external parasites: sucking lice	Types of sucking lice on cattle and buffalo
4	4 <sup>th</sup> Week	Illustration and explanation of external parasites: biting lice	Types of biting lice on birds and poultry
5	5 <sup>th</sup> Week	First exam	First exam
6	6 <sup>th</sup> Week	Clarify and explain the medical and veterinary importance of fleas	Types of fleas parasitic on animals
7	7 <sup>th</sup> Week	Explain and clarify the veterinary importance of flies	Types of internal parasites of flies
8	8 <sup>th</sup> Week	Clarify and explain the veterinary importance of tick parasites	Flies that cause myiasis and worms
9	8 <sup>th</sup> Week	An explanation of the methods of infection by internal parasites: myiasis and parasites	Identify the most important symptoms caused by diseases and insects to plants
10	10 <sup>th</sup> Week	Explain and illustrate the economic importance of pests.	Studying the symptoms of field crop diseases and methods of controlling them
11	11 <sup>th</sup> Week	Explanation and explanation of the types of ticks that transmit pathogens	Types of ticks parasitic on farm animals
12	12 <sup>th</sup> Week	Second exam	Second exam
13	13 <sup>th</sup> Week	Clarify and explain the veterinary importance of mite parasites	Types of mites parasitic on animals
14	14 <sup>th</sup> Week	Illustration and explanation of the pathogen Babesia	Stages of Babesia development
15	15 <sup>th</sup> Week	Illustration and explanation of the pathogen Theileria	Theileria

Instructor Signature  
15/1/2025

Dean Signature  
15/1/2025