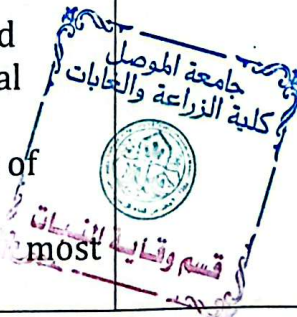


Course Description Form

1. Course Name: Medical and veterinary insects	
2. Course Code: MEVI221	
3. Semester / Year: 2end 2024-2025	
4. Description Preparation Date: quarterly 1/2/2025	
5. Available Attendance Forms: groups +elctrony	
6. Number of Credit Hours (Total) / Number of Units (Total) 75H. 3,5 Units	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr.Reena Riadh Falih Email: renna.reyadh@uomosul.edu.iq	
8. Course Objectives	
Theoretical: - Enabling students to understand and assimilate insects Medical and its relationship to the transmission of diseases to human beings and their poultry animals - Enabling students to know the most important methods of preventing medical insects - Enabling students to familiarize themselves with the most important methods of insect control Medical - Enabling students to discern and detect the whereabouts of medical insects - The student can judge the types of medical insects They are transmitted to the most important endemic diseases.	Practical: - Enabling students to identify the most important laboratory methods in identifying Distinguishing between the most important medical insects and practical experiences of diagnosis Presence of various medical insects



9. Teaching and Learning Strategies

Theoretical:

- Interactive lecture
- Brainstorming
- Assignment of tasks and report
- Presentations of models of the most important medical insects
- Presentation of models of the most important symptoms of diseases borne by medical insects
- Dialogue and discussion

Practical:

- Commissioning teamwork to uncover leadership skills
- Assignment of tasks and report for each experience

10. Course Structure

Wee k	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 Theoretical 3 Practical	Theoretical a1: The concept of medical entomology and the medical significance of these insects Practical b1: examines some medical insects	Theoretical: Medical and veterinary arthropathy study, definition of medical and veterinary arthropathy Practical: Study of the mouth parts of certain arthropods of medical and veterinary importance (mosquitoes - bed bugs - domestic fly - tapana fly - lice - ticks - mite)	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
2	2 Theoretical 3 Practical	Theoretical a2: Explains the medical importance as a vector of disease and how insects are transported Practical c2: identifies which areas are more prevalent with mosquitoes	Theoretical: Historical profile of medical and veterinary arthropods, the relationship of medical insects to the overall health of humans and animals Practical:: Category of insects includes: rank of cockroach (American cockroach - eastern cockroach - Egyptian cockroach - German cockroach) types of parts of the mouth first	Theoretical: Audio Methods Writing Sty On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
3	2 Theoretical 3 Practical	Theoretical b2: The most important factors affecting disease epidemic Practical b1: Explains the insect's body parts and identify	Theoretical: insect damage to humans and animals, pathological condition that arises directly by insects, insects as a middle breadwinner or as a vector of pathogenic microbes, humans and animals, methods of spread of infection by insects	Theoretical: Audio Methods Writing Sty On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions

		them in detail	Epidemiology Practical: Wings liquidation rank/bed bugs, sucking lice rank/body lice - pubic lice - buffalo lice, rodent lice rank/chicken lice-bathroom lice.		
4	2 Theoretical 3 Practical	Theoretical a4: It governs the appropriateness of means of prevention. Practical b2: Explains the parts of the mouth and learn them in detail	Theoretical: insects as median breadwinner of parasitic worms, mammals and pathogen-carrying stores Practical: Rodent lice, two wing rank/sand fly - Hamush	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
5	2 Theoretical 3 Practical	Theoretical b2: Suggests a suitable way to control the vector of diseases and how to transport insects and sticks Practical c3: Examines insects	Theoretical: classification of the division of arthropods, division of arthropods into their groups of medical and veterinary significance Cockroach and its types Practical: Cockroach of its kinds and life cycles	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
6	2 Theoretical 3 Practical	Theoretical b3: Recognizes diseases transmitted by medical insects flies Practical b3: Examines models	Theoretical: fly insects, blow, types and worsening Practical: Nagaf family/Nagf stomach of horses - Naghf cow skin - Naghf sheep's nose.	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
7	2 Theoretical 3 Practical	Theoretical b2: Learn about the medical importance of lice and how to get rid of them. Practical b4: Detects types of flea-borne diseases	Theoretical: The importance of studying parts of the mouth in medical and veterinary terms, anatomical studies of parts of the mouth in medical and veterinary insects for homosexuals, fleas and rushes Practical: Medical importance of Al-Harams//Flea/Burgas	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
8	2 Theoretical 3 Practical	Theoretical b1: Explain the medical importance of bed bugs and how to get rid of them Practical c1:	Theoretical: Mouth Parts Bed Bugs Medical Importance Practical: Medical Importance of Bed Bugs and Life Cycle	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions

		Assessment of the medical importance of these insects			
9	2 Theoretical 3 Practical	Theoretical b2: The medical importance of flies with a reference to the most important diseases transmitted by flies and veins Practical c1: examines different samples of flies and mosquitoes insects	Theoretical: mosquitoes. Mosquito mouth parts – Types - Medical importance, malaria disease, and the life cycle of Plasmodium malaria – Ways to control mosquitoes and limit the spread of malaria – Flies - Fly mouth parts – Horse fly mouth parts Practical: Diptera description, life cycle, and medical importance of mosquitoes, with reference to the most important diseases transmitted by mosquitoes and flies	Theoretical: Audio Methods Writing Sty On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
10	2 Theoretical 3 Practical	Theoretical a2: Recognizes the medical importance of black flies and rum flies Practical c1 :examines different samples of insects	Theoretical: mouth parts, black flies and sand flies models of medical and veterinary insects harmful to the overall health of humans and animals Practical: black flies and sand flies mouth parts, types	Theoretical: Audio Methods Writing Sty On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
11	2 Theoretical 3 Practical	Theoretical b2: Recognizes lice and their types Practical b3: Discover it under Pinoculler	Theoretical: sucking lice - rodent lice - human lice of its kinds - prevention of it - treatment - control of diseases and damage caused by it Practical: sucking lice - rodent lice - human lice of its kind - feather axis lice - poultry body lice - romaine chicken lice - duck lice - cow lice - horse lice - goat lice	Theoretical: Audio Methods Writing Sty On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
12	2 Theoretical	Theoretical b2: Masters prevention and control using	Theoretical: ticks and classifying the medical importance of ticks for humans and animals,	Theoretical: Audio Methods Writing Style On the board direct dialogue style	Short Tests, Duty Assignment, Discussions

	3 Practical	pesticides for ticks Practical c1: Examines models	with a reference to the epidemic diseases that he transmits for livestock and preventive and therapeutic methods for him practical: description of ticks, life cycle, medical importance for ticks and preventive and therapeutic methods of him	Practical: Assignment and reporting	
13	2 Theoretical 3 Practical	Theoretical d2: Conducts panel discussions on the medical importance of a dream or any other selected insect Practical d2: Examines model	Theoretical: The medical significance of a dream/a mite try man - prevention and treatment - a mite try sheep - a mite try goat Practical: The medical significance of a mite /a mite try man - prevention and treatment - a mite try sheep - a mite try goat	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
14	2 Theoretical 3 Practical	Theoretical b2: Identifying health risks and their impact on human health and the effect of neglect on public health Practical d2: Examines models	Theoretical: Medical significance mite Try livestock - mite try horses - mite try dogs, Practical: mite, medical importance and life role	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions
15	2 Theoretical 3 Practical	Theoretical c1: Masters the Importance of Parasitic Pathogens to Man and Life Practical e1: Examines models	Theoretical: conditions to be followed when treating animals with pesticides, medical and veterinary animal resistance to pesticides Practical: The medical importance of home medical insects and civilizations and how to prevent it	Theoretical: Audio Methods Writing Style On the board direct dialogue style Practical: Assignment and reporting	Short Tests, Duty Assignment, Discussions

11. Course Evaluation

	Calendar Methods	Calendar Date (Week)	Grade	Relative Weight%
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1	Theoretical Final Report + Practical Experience Reports	Theoretical week 15 practical week 1-15	7 Theoretical + 6 Practical	13%
2	Short Test (1) Quiz	Week (2-5)	4Theoretical + 2 Practical	6%
3	Midterm Exam half-test (theoretical and practical)	Week (8,14)	10 Theoretical + 5 Practical	15%
4	Short Test (2) Quiz	Week(9-12)	4Theoretical + 2 Practical	6%
5	Final Practical Test	20	20	20%
6	Final theoretical test	40	40	40%
			100	

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Medical and veterinary insects - d cos Salem Jameel Lectures prepared by the teacher
Main references (sources)	Book (Medical and Veterinary Pests Abdulalim Saad Solomon 201
Recommended books and references (scientific journals, reports...)	Veterinary Parasitology, by Dr. Ghazi 'qub Azal, Emirate, Basra University
Electronic References, Websites	https://books-library.website/t-Insect/download-4

M.M.Ikhlal Zyade

Practical subject lectural

Dr. Renna Riadh Faleh

Medical and veterinary insect material lectural

Dr. Firas Kadhim AlJuboori

Head of Plant Protection Department



Dr. Haitham Mohi ALdien

Chairman of the Scientific Committee