

Course Description Form

1. Course Name:	
Parasitology	
2. Course Code:	
VEM3122	
3. Semester / Year:	
2023–2024	
4. Description Preparation Date:	
5/2/2024	
5. Available Attendance Forms:	
3 rd stage students	
6. Number of Credit Hours (Total) / Number of Units (Total)	
90 hr. / 4	
7. Course administrator's name (mention all, if more than one name)	
Name: prof.dr.Shahad A. Ali Email: dr_shahd@uokirkuk.edu.iq	
8. Course Objectives	
Course Objectives	1. Teaching the subject of veterinary parasitology in both its theoretical and practical parts, through which the student is introduced to the meaning of the parasite, the types of parasitic relationships, the types of parasites and their role in causing disease lesions and changes that would affect the vital activities of the animal and thus affect or reduce its productivity of meat, milk and wool, as well as eggs for birds. Domestication. 2. Teaching and training students on the latest methods used in diagnosing types of parasitic infections. Within the college, there is a laboratory dedicated to the branch, which includes a number of microscopes and glass slides (slides), which are used to cover the practical part of parasitology. 3. Informing students about the types of ancient and modern treatments used to treat parasitic infections, how these treatments are given, and the side effects caused by some types of these drugs. 4. Informing students about how to develop the necessary plans to reduce or control to some extent parasitic infections through vaccines or biological control in addition to other methods that will reduce the seriousness of these infections.

9. Teaching and Learning Strategies

Strategy	<p>1 - The automatic method: The teacher delivers the information to the students while they listen to him, and he must have the ability to teach and absorb the information.</p> <p>2- Dialogical method: It takes place in the form of a dialogue between the teacher and the students, after the student is informed in advance of the topic of the lecture.</p> <p>3- The discovery method: The subject teacher monitors the activities of the students conducting the experiments, individually or collectively.</p>
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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1 st	5	TH/ -Introduction and definitions of terms . -Effects of parasites on their hosts Transmission of parasite infestation. -Life cycles. -Immunology P/ - General laboratory diagnosis of parasitism - Stool and Blood examination.	Introduction	3hr.theory 2hr.practice	
2 nd	5	Families: Scarodidae and Hetrakidae. Parascaris equorum+ Toxocara canis +Oxyuris equi Ascaridia galli +Hetrakis gallinarum .	Phylum: Nematoda	3hr.theory 2hr.practice	

3rd	5	-Subuluridae, Oxyuridae and Rhabditidae. -Subulura brumptii - Strongylidae, Strongylus vulgaris+S. equines -Chabertia ovina, Ancylostoma caninum, Bunostomum sp	Phylum: Nematoda	3hr.theory 2hr.practice	
4th	5	Strongyloides, Trichonematidae and Ancylostomatidae. -Haemonchus contortus, (male and female). -Ostertagia(3 sp) Dictyocalus filarial(male)	Phylum: Nematoda	3hr.theory 2hr.practice	
5th	5	Trichostrongylidae, Dictyocaulidae and Metastrongyloidae. - Habronema (male,female), Trichuridae and Trichinellidae. - Trichinella spiralis(larval stage).	Phylum: Nematoda	3hr.theory 2hr.practice	
6th	5	Spriuroidae and Fillariidae. - Trichuris trichura.	Phylum: Nematoda	3hr.theory 2hr.practice	
7th	5	-Family: Taeniidae. - Moniezia expansa, (Mature seg,scolex) M.bendeni,	Phylum: Platyhelminthes	3hr.theory 2hr.practice	
8th	5	Mid-term exam.			

9th	5	<ul style="list-style-type: none"> - Anoplocephaliadae and Thysanasonidae. - Raillietina (mature and gravid) R.tetragona scolex, Davaineidae and Dipylidiidae. - Dipylidium caninum (mature and gravid), Hymenolepis nana 	Phylum: Platyhelminthes	3hr.theory 2hr.practice	
10th	5	<ul style="list-style-type: none"> Hymenolepididae and Mesocestoidae. - Taenia spp (eggs+(mature and gravid)+scolex) of T.pisiformis,proto scolex, of Coenurus cerebralis - Echinococcus granulosus +protoscolex of Hydatid cyst. 	Phylum: Platyhelminthes	3hr.theory 2hr.practice	
11th	5	<ul style="list-style-type: none"> -Families: Fasciolidae and Dicrocoelidae. - Fasciola hepatica, Life cycle, Fasciola gigantica 2 Parmaphistomatidae and Schistosomatidae. - Schistoma (male,female) In copulation,eggs of S.mansoni,eggs, S.japonicum. 	Phylum: Platyhelminthes Trematodes	3hr.theory 2hr.practice	
12th	5	<ul style="list-style-type: none"> Phylum :Protozoa/ Fzmilies: Trypanosomatidae,Trichomonadæ Plasmodiidae, Babesiidae Theileriidae. P/Trypanosoma brucei T.equiperdium. T. evansi, T. cruzi,Leishmani (forms amastigote,promastigote) Trichomonas vaginalis Entamoeba histolytica Babesia 	Protozoa	3hr.theory 2hr.practice	

		<i>Theileria</i>			
13th	5	Eimeriidae Sarcocystidae Cryptosporidiidae. P/ Eimeria Sarcocystis, Toxoplasma gondii, Cryptosporidium. (life cycles and stages)	Protozoa	3hr.theory 2hr.practice	
14th	5	Families: Ixodidae, Argasidae Sarcoptidae, Psoroptidae Tabanidae, Culicidae Simuliidae, Oestridae, Calliphoridae. P/ Hard tick, Hyalomma, Rhipicephalus, Soft tick Demodex, Psoroptes, Sarcoptes, Ctenocephalidae, <i>Xenopsylla cheopis</i> <i>Cimex lectularis</i> .	Arthropodes	3hr.theory 2hr.practice	

11. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	-Veterinary Parasitology- M.A.Taylor,R.L.Coop,R.L.Wall -Foundations of Parasitology L.S.Roberts,J.J.Jr.
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	