الملحق ٤: وصف المادة الدراسية

MODULE DESCRIPTION FORM

وصف المادة الدراسية(علم الديدان)

فصل دراسي اول

Module Information معلومات المادة الدراسية					
Module Title	**Helminthology**			**Module Delivery**	
Module Type	**C**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☒ **Tutorial** ☒ **Practical**	
Module Code	**VET301**				
ECTS Credits	**5**				
SWL (hr/sem)	**125**				
Module Level		Third	**Semester of Delivery**		1
Administering Department		Type Dept. Code….	**College**	Type College Code……	
Module Leader	Alaa Tariq Abdulwahid		**e-mail**	E-mail: alaa.alsandaqchi@uobasrah.edu.iq	
Module Leader's Acad. Title		Professor	**Module Leader's Qualification**		Ph.D.
Module Tutor	Suzan Abduljabbar Al-Azizz		**e-mail**	E-mail: suzan.azizz@uobasrah.edu.iq	
Peer Reviewer Name		Name	**e-mail**	E-mail	
Scientific Committee Approval Date		1/9/2025	**Version Number**		1.0

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	Semester	
Co-requisites module	None	Semester	

Module Evaluation
تقييم المادة الدراسية

		Time/Number	Weight (Marks)	Week Due	Relevant Learning Outcome
Formative assessment	Quizzes	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	Midterm Exam	1hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Module Aims, Learning Outcomes and Indicative Contents

أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

Module Aims أهداف المادة الدراسية	1.Understanding Parasite Biology 2.Host-Parasite Interactions 3.Epidemiology of Parasitic Diseases 4.Diagnostic Techniques 5.Treatment and Management
Module LearningOutcomes مخرجات التعلم للمادة الدراسية	1.Explain the life cycle, pathogenic mechanisms of important parasitic diseases, and host-parasite responses. 2.Summarise the epidemiology and seasonality of major parasitic diseases of domestic animals that are of national, EU, and international significance. 3.Examine the influence of variable weather patterns on the prevalence of these diseases and devise control/preventative strategies. 4. Discuss zoonotic parasitic diseases and their public health significance.
Indicative Contents المحتويات الإرشادية	Veterinary parasitology is a specialized field that focuses on the study of parasites affecting animals, including their biology, life cycles, and the diseases they cause. The indicative contents of a veterinary parasitology course typically cover several key areas: Introduction to Parasitology Types of Parasites Life Cycles and Transmission Diagnosis of Parasitic Infections Treatment and Control Zoonotic Parasites Case Studies and Practical Applications

Learning and Teaching Strategies استراتيجيات التعلم والتعليم	
Strategies	Veterinary parasitology is a critical field within veterinary education, focusing on the study of parasites that affect animals and their impact on health, disease, and management. Effective teaching strategies in this discipline are essential for preparing future veterinarians to diagnose, treat, and manage parasitic infections. Below are several key learning and teaching strategies employed in veterinary parasitology: Disciplinary Approach The disciplinary approach involves teaching veterinary parasitology as a coherent subject. This method covers various aspects of parasitology, including: Morphology: Understanding the structure of parasites. Biology: Learning about the life cycles and biological functions of parasites. Epidemiology: Studying the distribution and determinants of parasitic diseases. Pathology: Examining how parasites affect host health. Clinical Manifestation: Identifying symptoms associated with parasitic infections. Diagnosis and Therapy: Learning diagnostic techniques and treatment options. This traditional method provides a comprehensive foundation but may lack practical application unless supplemented with other approaches.

Student Workload (SWL) الحمل الدراسي للطالب محسوب لـ ١٥ اسبوعا			
Structured SWL (h/sem) الحمل الدراسي المنتظم للطالب خلال الفصل	63	**Structured SWL (h/w)** الحمل الدراسي المنتظم للطالب أسبوعيا	4.2
Unstructured SWL (h/sem) الحمل الدراسي غير المنتظم للطالب خلال الفصل	62	**Unstructured SWL (h/w)** الحمل الدراسي غير المنتظم للطالب أسبوعيا	4.1
Total SWL (h/sem) الحمل الدراسي الكلي للطالب خلال الفصل	125		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	General Introduction, Definitions & Terms, Life cycle, Pathogenicity, Immunology, Transmission.
Week 2	Phylum: Nematoda includes the families: Ascaridea
Week 3	Hetrakidae Subuluridae
Week 4	Oxyuridae Rhabdatidae
Week 5	Strongyloidae Trichonematidae
Week 6	Ancylostomatidae Trichostrongylidae Dictyocaulidae
Week 7	Metastrogyloidae Trichuridae Trichinellidae
Week 8	Spriurodae Fillaridae
Week 9	Phylum: Platyhelminthes, Class: Trematoda includes the 6 families: Fasciolidae Schistosomatidae Paramphistomatidae
Week 10	Dicrocoelidae Troglotrematidae

Week 11	Echinostomatidae Heterophyidae Opisthorichidae
Week 12	Phylum: Platyhelminthes, Class: Cestoda includes the families: Taeniidae Anoplocephalidae
Week 13	Thysanosonidae Davaineidae
Week 14	Dipylidiidae Hyminolipididae
Week 15	Mesocestoidae Diphylobothiridae
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	Lab 1: General introdcation, collect, preserve, Diagnose the parasites, include: Feces sample
Week 2	Lab2 : Urine samples and genital sample
Week 3	Lab 3: Ascaris lumbricoides, & Paraascaris equorum
Week 4	Lab 4: Toxocara canis, Toxascaris leonina & Ascaridia galli
Week 5	Lab 5: Heterakis gallinarum, Enterobius vermicularis
Week 6	Lab 6: Strongyloides stercoralis
Week 7	Lab 7: Trichuris trichiura, Trichinella spirals
Week 8	Lab 8: Ancylostoma sp. , Hemonachus contorts & Bunostumun sp
Week 9	Lab 9: Ttematoda, general inrodcation : Fasciola sp., Dicroccolium sp., & Echinostoma sp.,
Week10	Lab 10: Schistosoma sp., & Paragonimus sp.
Week11	Lab 11: Clonorchis sinensis, Paramphistomum cervi, Heterophyes hetrophyes
Week 12	Lab12: Taenia saginata, Taenia solium
Week 13	Lab 13: Taenia pisiformis, Taenia hydatigenia
Week 14	Lab 14: Echinococcus granulosus, Dipylidium caninum, Dipylidium latum
Week 15	Lab 15:Monezia sp., Raillietina sp., Hyminolips nana, Hyminolips dimenuta

وصف المادة الدراسية(الاوالي والديدان)

فصل دراسي ثاني

Module Information معلومات المادة الدراسية					
Module Title	**Protozoa and Arthropod**			**Module Delivery**	
Module Type	**C**			☒ **Theory** ☒ **Lecture** ☒ **Lab** ☒ **Tutorial** ☒ **Practical**	
Module Code	**VET307**				
ECTS Credits	**5**				
SWL (hr/sem)	**125**				
Module Level		Third	**Semester of Delivery**		2
Administering Department		Type Dept. Code….	**College**	Type College Code……	
Module Leader	Alaa Tariq Abdulwahid		**e-mail**	E-mail: alaa.alsandaqchi@uobasrah.edu.iq	
Module Leader's Acad. Title		Professor	**Module Leader's Qualification**		Ph.D.
Module Tutor	Ghazi Yaqoop. Azzal		**e-mail**	E-mail: ghazi.azzal@uobasrah.edu.iq	
Peer Reviewer Name		Name	**e-mail**	E-mail	
Scientific Committee Approval Date		1/9/2025	**Version Number**		1.0

Relation with other Modules العلاقة مع المواد الدراسية الأخرى			
Prerequisite module	None	**Semester**	
Co-requisites module	None	**Semester**	

Module Evaluation تقييم المادة الدراسية					
		Time/Number	**Weight (Marks)**	**Week Due**	**Relevant Learning Outcome**
Formative assessment	**Quizzes**	2	10% (10)	5, 10	LO #1, 2, 10 and 11
	Assignments	2	10% (10)	2, 12	LO # 3, 4, 6 and 7
	Projects / Lab.	1	10% (10)	Continuous	
	Report	1	10% (10)	13	LO # 5, 8 and 10
Summative assessment	**Midterm Exam**	1hr	10% (10)	7	LO # 1-7
	Final Exam	3hr	50% (50)	16	All
Total assessment			100% (100 Marks)		

Delivery Plan (Weekly Syllabus) المنهاج الاسبوعي النظري	
	Material Covered
Week 1	Phylum: Protozoa includes the families: Trypanosomatidae
Week 2	Trichomonadae
Week 3	Monocercomonatidae
Week 4	Eimeriidae
Week 5	Sarcocystidae
Week 6	Cryptosporidiidae
Week 7	Plasmodiidae Babesiidae Theileriidae
Week 8	Phylum: Arthropoda includes the families: General information of arthropoda Arachnids : Ixodidae
Week 9	hard Tick (Hyalomma sp. , Amblyomma sp , Bophillus sp, Rhipicephalus sp) Soft tick : argassidae (Argus) .
Week 10	Mites : (Sarcoptes sp , Psoropets sp , demodex sp.
Week 11	Diptera (Fly and mosquito: Msquidae , culicidae , pcychodidae , simulidae , Osteridae .Calliphoridae), Myiasis .
Week 12	Phthiraptera and Anoplura (chewing , sucking lice).
Week 13	Siphonoptera: flea
Week 14	Hemiptera: bed bugs
Week 15	Crustacea
Week 16	**Preparatory week before the final Exam**

Delivery Plan (Weekly Lab. Syllabus) المنهاج الاسبوعي للمختبر	
	Material Covered
Week 1	General Introduction, Collect, Preserve, Diagnose the parasites, include: 1-Blood Sample
Week 2	Lab 2: Protozoa general information Entamoeba sp., Giardia sp
Week 3	Lab 3: Babeisia sp., Theileria sp
Week 4	Lab 4: Leishmania sp., Trypanosoma sp
Week 5	Lab 5: Trichomonas sp., Toxoplasma sp
Week 6	Lab 6: Sarcocystes sp., Eimeria sp
Week 7	Lab 7: Plasmodium sp
Week 8	Lab 8: Arthropoda general information Flea; Ctenocephalus sp
Week 9	Lab 9: Lice; Pediculus sp., Haematopinus sp
Week10	Lab 10: Insects; Anopheles sp., Culex sp
Week11	Lab 11: Myiasis: Oestrus sp., Hypoderma bovis
Week 12	Lab12: Ticks: Boophilus sp., Amblyomma sp., Rhpicephulus sp
Week 13	Lab 13: Ticks: Argas sp., Hyalomma sp.,
Week 14	Lab 14: Mites: Sarcoptes sp.
Week 15	Lab 15: Crustacea: Cyclops

Learning and Teaching Resources مصادر التعلم والتدريس		
	Text	Available in the Library?
Required Texts	**Soulsby, E. J. L., (1982- 1986**). Helminthes, Arthropods and protozoa of domesticated animals, 7th ed. Bailliere Tindall, East Sussex, UK. **Bowman, D. D. and Lynn, R. C. (1995).** Parasitology for Veterinarians.	Yes

Recommended Texts	**Roberts, L. S. & Janovy, J. (1996)**. Foundations of Parasitology. 5th end., wmc. Brown publ. Chicago, USA. **Schmidt, G. D. (1986).** Hand book of Tapeworm Identification. CRC Press, Inc. Boca Raton, Florida. pp. 675. **Gibsion, I. (2010).** Hand book of Diagnostic parasitology.	Yes
Websites		

Grading Scheme
مخطط الدرجات

Group	Grade	التقدير	Marks (%)	Definition
Success Group (50 - 100)	**A -** Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Satisfactory	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 – 49)	**FX –** Fail	راسب (قيد المعالجة)	(45-49)	More work required but credit awarded
	F – Fail	راسب	(0-44)	Considerable amount of work required

Note: Marks with decimal places above or below 0.5 will be rounded to the higher or lower full mark (for example a mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University has a policy NOT to condone "near-pass fails" so the only adjustment to marks awarded by the original marker(s) will be the automatic rounding outlined above.