Faculty Of Veterinary Medicine

Veterinary Medicine Program









Course Specification of Veterinary parasitology (2)

I.	Course Identification and General Info	rmation:				
1	Course Title:	Veterinary parasitology (2)				
2	Course Number & Code:	MI 355				
		C.H Total				Total
3	Credit hours:	Theoretical	Practical	Training	Seminar	Total
		2	1	0	0	3
4	Study level/ semester at which this course is offered:	Third year: second semester				
5	Pre –requisite (if any):		M	I 354		
6	Co –requisite (if any):					
7	Program (s) in which the course is offered:	Bachelor's degree (B. Sc.) Veterinary Medicine				ne
8	Language of teaching the course:	English				
9	Location of teaching the course:	Faculty of veterinary medicine				
10	Prepared by:	Dr. hamid Alrefaiey				
11	Date of approval:					

II. Course description:

This course consists of theoretical and practical section is intended to familiarize the students with the essential facts and concepts of veterinary parasitology enabling them to control and prevent economical losses, parasitozoonoses. The lectures will discuss principal endo- and ectoparasites of domestic animals, which are of national or international importance to veterinary medical practice. Emphasis is placed on basic knowledge of parasite biology, epidemiology, pathogenesis, diagnosis, chemotherapy and control of parasitic infections. The purpose of the practical course is to highlight and expand on important parasites presented in lectures, especially identification and diagnostics. At the practical which follow the lectures the students become familiar with the methods of diagnosis including the interpretation of results.

Prepared by Dr. Hamid Alrefaiey

Quality Assurance Unit Dr. Abdulrageb Alshami

Dean of the Faculty Ass. Prof. Dr. Abdu Alraoof Al-Shawkany

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Veterinary Medicine Program









III. Intended learning outcomes (ILOs) of the course:				
(A)	Knowledge and Understanding:			
A	lignment of Course Intended Learning Outcomes (CILOs) t Ur		am Intended Learning Outcomes ((PILOs) in: Knowledge and
Pro	ogram Intended Learning Outcomes (Sub- PILOs) in: Knowledge and Understanding	Course Intended Learning Outcomes (CILOs) in: Knowledge and Understanding		
After	completing this program, students will be able to:	After	completing this course, studen	ts will be able to:
A3	Identifies various causes of animal diseases, animal epidemics and how they can be diagnosed; including common and life-threatening diseases of animals, poultry and fish.	a1-		haracteristics morphology of life cycles of some important
A4	Describes the foundations and procedural steps for treating all diseases that affect different animals, highlighting the medical conditions that need surgical interventions.	the viability of parasites.		
	Teaching And Assessment Met			0
- C	Alignment of Learning Outcomes of Knowledge			
Cour	se Intended Learning Outcomes (CILOs) in Knowledge and Understanding	Tea	ching strategies/methods to be used	Methods of assessment
a1-	Describe the general characteristics morphology of Parasites and define the life cycles of some important Parasites. Explain the different environmental aspects encourage the viability of parasites.	D Pr see A reac W gair	ecture by data show ialogue and discuss ractical practice of directed learning skills. Inalyze the results and the specific conclusion. Triting a review paper to the skills of self-learning presentation	 Written examination Quiz Oral examination Practical examination Activities Reports evaluation
Dr	Prepared by Quality Assurance Unit . Hamid Alrefaiey Dr. Abdulraqeb Alshami		Dean of the Faculty s. Prof. Dr. Abdu Alraoof	Academic Development Center & Quality

Rector of Sana'a University Prof. Dr. Al-Qassim Mohammed Abbas

Assurance Ass. Prof. Dr. Huda Al-Emad

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Faculty Of Veterinary Medicine

Veterinary Medicine Program









	-Sample collection,	
	preservation, examination and	
	identification.	

(B)	Intellectual Skills:				
Align	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Intellectual skills				
Pro	Program Intended Learning Outcomes (Sub- PILOs) in Intellectual skills Course Intended Learning Outcomes (CILOs) of Intellectual Skills				
After	After completing this program, students will be able to: After completing this course, students will be able to:			lents will be able to:	
В3-	Design appropriate nursing and treatment care plans for different diseases that affect animals, prioritizing treatment.	b1-	Interpret the environme of parasitic infection.	ental changes and incidence	
B4-	Determines the appropriate and effective treatment; evaluates all medications used for each condition.	b2- Clarify control measures in response to emerginand unexpected problems.			
	Teaching And Assessment Methods For Achieving Learning Outcomes:				
Align	ment of Learning Outcomes of Intellectual Ski	lls to T	Ceaching Methods and As	sessment Methods:	
Cou	rse Intended Learning Outcomes (CILOs) in Intellectual Skills.	Tea	ching strategies/methods to be used	Methods of assessment	
After	completing this course, students will be able to:	• D	ialogue and discuss	 Written examination 	
b1-	Interpret the environmental changes and incidence of parasitic infection.	• L	ecture	Oral examination	
	_	■ P ₁	ractical practice	Practical examination	
b2-	Clarify control measures in response to emerging and unexpected problems.	■ P ₁	roblem solving	Performance notice	
		■ <i>W</i>	orking in groups	Achievement file	
		■ La	abor training	Reports evaluation	
		■ R	esearches and projects	Proposal evaluation	

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Quality Assurance Unit Dr. Abdulraqeb Alshami

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Faculty Of Veterinary Medicine

Veterinary Medicine Program









(0)					
` '	Professional and Practical Skills:				
Align	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and Practical Skills				
	Program Intended Learning Outcomes (Sub- PILOs) in Professional and Practical Skills			earning Outcomes al and Practical Skills	
After	completing this program, students will be able to:	After	r completing this cour	se, students will be able to:	
C1-	Accurately records a comprehensive pathological story of a sick animal including information on healthy behavior and the necessary checks.	c1-	Determine the parasitic species.	infection with different	
С3-	Treat animal patients safely and effectively considering the evaluation of the results, the appropriate modification of the treatment plan and the accurate description of the appropriate medications.	c2-	c2- Apply the complete identification of parasitic samples.		
	Teaching And Assessment Methods I				
Align	ment of Learning Outcomes of Professional and Practical Skill	s to T			
	Course Intended Learning Outcomes (CILOs) in Professional and Practical Skills	Teaching strategies/methods to be used		Methods of assessment	
After	completing this course, students will be able to:	-Pr	actical practice	- Written examinations	
c1-	Determine the infection with different parasitic	-Pr	oblem solving	- Oral examinations	
	species.	-W	orking in groups	- Practical examination	
c2-	Apply the complete identification of parasitic samples.	-Co	ollaborative	- Performance notice	
		lea	rning	- Achievement file	
		-		- Reports evaluation	

(D) General / Transferable Skills:

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- Proposal evaluation

Rector of Sana'a University Prof. Dr. Al-Qassim Mohammed Abbas

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	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: General and Transferable skills			
Pro	gram Intended Learning Outcomes (PILOs) in General / Transferable skills			g Outcomes (CILOs) in sferable skills
	completing this program, students will be able to:		r completing this course, stud	
D2-	Develops his scientific, professional and research capabilities and follow what is emerging in his field of specialization and using computer applications and information and communication technology.	d1-	Search the web for a giv a review.	ven course topic to build up
D3-	Practices problem-solving, negotiation, supervision and veterinary medical management skills and writing research reports efficiently and professionally.	d2-	Demonstrate appropriate behaviors in different pr	e professional attitudes and ractice situations.
	Teaching And Assessment Metho			
	Alignment of Learning Outcomes of General and Tra urse Intended Learning Outcomes (CILOs) in		able skills to Teaching and ching strategies/methods	Methods of assessment
Co	General and Transferable Skills	TCa	to be used	Methods of assessment
After	completing this course, students will be able to:	• I	Dialogue and discuss	 Achievement file
d1-	Search the web for a given course topic to build up a review.		Vorking in groups	Reports evaluationProposal evaluation
d2-	Demonstrate appropriate professional attitudes and behaviors in different practice situations.		Researches and projects	■ Performance notice
		• S	elf learning	Practical examinations
		Pr	oblem solving	

IV	Course	Content:
IV.	Course	Comtent:

1 - Course Topics/Items:

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	a – Theoretical Aspect				
Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours
1	Protozoology; introduction, classification	a1,a2,b1,b2,c1,c2	Parasitic Protozoa Introduction: structure and mechanism of performance of its vital functions. Classification	1	2
2	Family: Trypanosomatidae Family: Cryptosporidiidae	a1,a2,b1,b2,c1,c2	Genus: Trypanosoma Genus: Leishmania Genus Cryptosporidi	1	2
3	Family Trichomonadidae	a1,a2,b1,b2,c1,c2	Giaridia & Entamoeba Genus Trichomonas	1	2
4	APICOMPLEXA Family: Eimeriidae	a1,a2,b1,b2,c1,c2	Genus eimeria: eimeria spp Poultry coccidiosis Bovine coccidiosis Ovine coccidiosis	1	2
5	Family: Sarcocystidae Family: Plasmodidiae	a1,a2,b1,b2,c1,c2	Genus: Sarcocystis Genus: Toxoplasm Genus: Plasmodium	1	2
6	Piroplasms: Family: Babesiidae Family: Theileriidae	a1,a2,b1,b2,c1,c2	Genus: Babesia Genus: Theileria	1	2
7	Subphylum : Sarcodina Family: Entamoebidae Subphylum : Ciliophora Subphylum : Myxospora Subphylum: Microspora	a1,a2,b1,b2,c1,c2	Genus Entamoebia Genus Ciliophora Genus Myxospora Genus Microspora	1	2
8	Veterinary Entomology:	a1,a2,b1,b2,c1,c2	Introduction Effect of arthropods on the health of animal and man.	1	2

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Quality Assurance Unit Dr. Abdulraqeb Alshami Dean of the Faculty Ass. Prof. Dr. Abdu Alraoof Al-Shawkany

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Veterinary Medicine Program









			Phylum: Arthropoda Morphology, development and life history Classification of arthropods of veterinary and medical importance.		
9	Veterinary Entomology: Order: Diptera	a1,a2,b1,b2,c1,c2	Family: Culicidae Family: Psychodidae Family: Ceratopogonidae	1	2
10	Veterinary Entomology: Order: Diptera	a1,a2,b1,b2,c1,c2	Family: Simullidae Family: Tabanidae Family: Muscidae Family: Sarcophagid	1	2
	Veterinary Entomology: Order: Diptera	a1,a2,b1,b2,c1,c2	Family: Callophoridae Family: Oestridae Family: Hippoboscidae	1	2
	Veterinary Entomology: Class Insecta: Order: Phthiraptera Order: Siphonaptera Order: Hemiptera Order: Coleoptera Order: Hymenoptera	a1,a2,b1,b2,c1,c2	Lice: fleae: Important species of fleas Flea bite allergy Bug: BED BUGS KISSING BUGS Beetles: Ants	1	2
13	Veterinary Entomology: Order Orthoptera Class: Crustacea Class: Arachnida	a1,a2,b1,b2,c1,c2	cockroaches Family: Ixodidae (Hard Ticks)	1	2
14	Veterinary Entomology: Family: Argasidae Family: Sarcoptidae Family: Psoroptidae Family: Demodicidae Family: Dermanyssidae Class: Pentastomida	a1,a2,b1,b2,c1,c2	Ticks: Common Hard Ticks Common Soft Ticks Tick Paralysis Tick Control Mites: Itch and Mange Mites	1	2

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Number of Wee	Irritation Other Mites Treatments eks /and Units Per Semester	14	28
	Burrowing Mange Mites Other Mites Causing Skin or Tissue		
	Burrowing Mange Mites Non-		

	b- Training Aspect:				
Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours	
1	Protozoology: Morphology Diagnostic stages of parasites Examination of blood for detection trypanosoma	a1,a2,b1,b2,c1,c2	1	2	
2	Trypanosoma spp	a1,a2,b1,b2,c1,c2	1	2	
3	Trichomonus, cryptosporidium	a1,a2,b1,b2,c1,c2	1	2	
4	Eimeria(coccidian) spp.	a1,a2,b1,b2,c1,c2	1	2	
5	Entamoeba, Giardia spp.	a1,a2,b1,b2,c1,c2	1	2	
6	Genus Histomonas, sarccocyst	a1,a2,b1,b2,c1,c2	1	2	
7	Leishmania spp., Plasmodium	a1,a2,b1,b2,c1,c2	1	2	
8	Babesia, Theileria. Spp.	a1,a2,b1,b2,c1,c2	1	2	
9	Introduction Of Arthropoda, Family Tabanidae: Morphology	a1,a2,b1,b2,c1,c2	1	2	
10	CLASS INSECTA: LICE Anoplura (Sucking lice) and Mallophaga (Biting lice) Fleas: Important species of fleas	a1,a2,b1,b2,c1,c2	1	2	
11	Family sarcoptidae: sarcoptes: Burrowing Mites, Non Burrowing Mites, Order Coleoptera: True Beetles, Blister	a1,a2,b1,b2,c1,c2	1	2	

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	Beetles Dung Beetles			
12	Order Hemiptera: Bed Bugs Kissing Bugs Order Diptera: ARACHNIDS: VENOMOUS SPIDERS BLACK WIDOW - Latrodectus mactans FIDDLE-BACKED - Loxosceles reclusa Mosquitoes Other Blood Feeding flies MYIASIS PRODUCING DIPTERA Larvae	a1,a2,b1,b2,c1,c2	1	2
13	Family: Ixodidae: Ticks: Common Hard Ticks, Common Soft Ticks.	a1,a2,b1,b2,c1,c2	1	2
14	Dermacentor, Oestrus, Order Orthoptera Cockroaches Grasshoppers	a1,a2,b1,b2,c1,c2	1	2
	Number of Weeks /and Units Pe	er Semester	14	28

V. Teaching strategies of the course:

- Lectures depending on the sharing efforts of the students and supported with macromedia and multimedia aids.
- Training in the laboratory
- Self-learning (Electronic learning, Seminars, scientific search on related websites, international, national and local journals, related books in faculty library).
- Summer training course.
- Assays and reviews.
- Discussion groups.
- Group work
- Problem Solving
- Assignments
- Brainstorming
- Log book
- Field visits

3-Assessment Methods:

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Veterinary Medicine Program









- Written examination: For assessment of knowledge, back calling and Intellectual skills.
- Practical examination: For assessment of practical and professional skill.
- Oral examination: For assessment of knowledge and Intellectual skills.

Student activities: For assessment of knowledge and general and transferable skills.

V	VI. Schedule of Assessment Tasks for Students During the Semester:							
No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes (CILOs symbols)			
1	Participation, quizzes and assignments	2-14	10	10%	a1,a2,b1,b2,c1,c2			
2	Mid-Term Exam	8	10	10%	a1,a2,b1,b2,c1,c2			
3	Mid-Term Practical Exam	8	10	10%	a1,a2,b1,b2,c1,c2			
4	Final Practical Exam	13	10	10%	a1,a2,b1,b2,c1,c2			
5	Oral Exam	13	5	5%	a1,a2,b1,b2,c1,c2			
6	Final Exam	16	55	55%	a1,a2,b1,b2,c1,c2			
	Total		100	100%				

VII. Students' Support:	
Office Hours/week	Other Procedures (if any)
From Saturday to Wednesday at 8:00 a.m. till 2 p.m.	Student can contact with me via <i>e</i> -mail

VIII. Learning	Resource	(MLA style or	APA style)S:
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- 1- Required Textbook(s) (maximum two)
 - Foundation of parasitology .2006 by Larry S. Roberts (author), John Janovy (author).
 - Hendrix CH.M. (1998): diagnostic veterinary parasitology (1998) by mosby Inc.

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Faculty Of Veterinary Medicine

Veterinary Medicine Program









2- I	Recommended Readings and Reference Materials
	1- Veterinary Helminthology by Angus M.Dunn
	2-Parasitology of Veterinarians by Jay George
	3- Heminthes, Arthropods and Porotozoa Domesticated Animals by J.L. Soulsby.
	4- Diagnostic Veterinary Parasitology by Charles M. Hendrix
	5-Notes Book for students Veterinary Parasitology.
3- I	Essential References
	-Abyladze, k. E. et al. (1990): parasitology and infections disease, agriculturals animals. Mir publ
	Moscow, ussR in Russian.
	- Geffrey, H. C. et al. (1991): Atlas of medical helminthology and protozology . Churchill livingston
	New York .
	- Georgi, J. R.; Georgi, N. E. (1990): parasitology for veterinarians, . 5 Ed., Philadelphia, London
	- Kassai, T. (1999): Vet. Helminthology butterwoth – Heinemann.
	- Mehlhorn, H.; Duwel, D.; und raether, W. (1993): Diagnose und Therapie der Parasiten von Hau
	Nutz-und Heimtieren . gustav fischer verlag Stuttgart .
	- Maff Adas (1986) : Manual of veterinary parasitological laboratory techniques . 3. Ed reference 4
	HMSO, London.
	- Soulsby, E. J. L. (1986): Helminths, arthropods and protozoa of domesticated animals 7. Ed. Bai
	tindall, London.
	-
4- 1	Electronic Materials and Web Sites etc.
	Scientific Journals
	☐ The journal of parasitology
	The journal of veterinary medical science.
	The journal of Veterinary parasitol.
	☐ Korean journal of parasitology.
	Scientific websites
	□ http://www.cdc.org
	http://www.pubmed.org/
	http://www.sciencedirect.com/
5- (Other Learning Material:

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Veterinary Medicine Program









X.	Course Policies:					
1	Class Attendance:					
	MANDATORY TO ATTEND ALL COURSE LECTURES					
2	Tardy:					
	Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.					
3	Exam Attendance/Punctuality:					
	Attendance is mandatory; absence is accepted with valid excuse.					
4	Assignments & Projects:					
	All assignments and projects are to be submitted on their due date. Any assignment turned in after					
	the due date will not be accepted without valid and reasonable excuse.					
5	Cheating:					
	Not tolerated and may lead to EXPELLING the student from the program					
6	Plagiarism:					
	Not tolerated AT ALL and may lead to EXPELLING the student from the program					
7	Other policies:					
	1. All devices must be on silent or at least on vibration during lectures/labs.					
	2. Before any exam (written, practical, oral) student's identity will be checked (student's card, ID,					
	passport). Without any of these documents, the student will not be allowed in the exam room.					
	3. Any of type/ form of cheating is not allowed no matter what.					
	4. Maintain silence during lectures and disturbance is not allowed					

Course Plan of Veterinary parasitology (2)

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Faculty Of Veterinary Medicine











X Information about Faculty Member Responsible for the Course:								
Name of Faculty Member	Hamid A. N. Alrefaiey			Office	Hours			
Location & Telephone No.	Sana'a mobile 775336921	SAT	SUN	MON	TUE	WED	THU	
E-mail	Hamid77Ali@gmail.com nagihamidali@gmail.com	8am 2pm	8am 2pm	8am 2pm	8am 2pm	8am 2pm	-	

KI. ((I. Course Identification and General Information:						
1-	Course Title:	Veterinary parasitology (2)					
2-	Course Number & Code:	MI 355					
			C.I	Н		Total	
3-	Credit hours:	Th.	Seminar	Pr.	F. Tr.	Total	
		2	-	1		3	
4-	Study level/year at which this course is offered:	Third year: second semester					
5-	Pre -requisite (if any):	MI 354					
6-	Co -requisite (if any):	None					
7-	Program (s) in which the course is offered	Bachel	or's degree (B. Sc.) Ve	terinary N	l edicine	
8-	Language of teaching the course:	English					
9-	System of Study:	Regular / Semester					
10-	Mode of delivery:	Lectures and Practical					
11-	Location of teaching the course:		Faculty of	veterinary	medicine		

II. Course Description:

This course consists of theoretical and practical section is intended to familiarize the students with the essential facts and concepts of veterinary parasitology enabling them to control and prevent economical losses, parasitozoonoses. The lectures will discuss principal endo- and ectoparasites of domestic animals, which are of national or international importance to veterinary medical practice. Emphasis is placed on

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Veterinary Medicine Program









basic knowledge of parasite biology, epidemiology, pathogenesis, diagnosis, chemotherapy and control of parasitic infections. The purpose of the practical course is to highlight and expand on important parasites presented in lectures, especially identification and diagnostics. At the practical which follow the lectures the students become familiar with the methods of diagnosis including the interpretation of results.

I. Intended learning outcomes (ILOs) of the course:

After completing this course, students will be able to:

- a1- Describe the general characteristics morphology of Parasites and define the life cycles of some important Parasites.
- a2- Explain the different environmental aspects encourage the viability of parasites.
- b1- Interpret the environmental changes and incidence of parasitic infection.
- b2- Clarify control measures in response to emerging and unexpected problems.
- c1- Determine the infection with different parasitic species.
- c2- Apply the complete identification of parasitic samples.
- d1- Search the web for a given course topic to build up a review.
- d2- Demonstrate appropriate professional attitudes and behaviors in different practice situations.

II. Course Content:

A – Theoretical Aspect:

Order	Topics List	Week Due	Contact Hours
1	Protozoology; introduction, classification	1	2
2	Family: Trypanosomatidae ,Family: Cryptosporidiidae	2	2
3	Family Trichomonadidae	3	2
4	Phylum Apicomplexa : Family: Eimeriidae	4	2
5	Family: Sarcocystidae ,Family: Plasmodidiae	5	2

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6	Order Piroplasms: Family: Babesiidae, Family: Theileriidae	6	2
7	Subphylum : Sarcodina : Family: Entamoebidae Subphylum : Ciliophora ,Subphylum : Myxospora Subphylum: Microspora	7	2
8	Mid Exam	8	2
9	Veterinary Entomology: Introduction, classification	9	2
10	Veterinary Entomology: Order: Diptera	10	2
11	Veterinary Entomology: Order: Diptera	11	2
12	Veterinary Entomology: Order: Diptera	12	2
13	Veterinary Entomology: Class Insecta: Order: Phthiraptera, Order: Siphonaptera Order: Hemiptera, Order: Coleoptera Order: Hymenoptera, Order Orthoptera	13	2
14	Veterinary Entomology: Class: Crustacea, Class: Arachnida	14	2
15	Veterinary Entomology: Family: Argasidae, Family: Sarcoptidae Family: Psoroptidae, Family: Demodicidae Family: Dermanyssidae	15	2
16	Final exam	16	2
	Number of Weeks /and Units Per Semester	16	32

	b- Training Aspect:		
Order	Training Tasks	Week Due	Contact hours
	Protozoology: Morphology		2
1	Diagnostic stages of parasites	1	
	Examination of blood for detection trypanosoma		

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2	Trypanosoma spp	2	2
3	Trichomonus, cryptosporidium	3	2
4	Eimeria(coccidian) spp.	4	2
5	Entamoeba, Giardia spp.	5	2
6	Genus Histomonas, sarccocyst	6	2
7	Leishmania spp., Plasmodium	7	2
8	Mid exam	8	2
9	Babesia, Theileria. Spp.	9	2
10	Introduction Of Arthropoda, Family Tabanidae: Morphology	10	2
11	Class Insecta: Lice Anoplura (Sucking lice) and Mallophaga (Biting lice) Fleas: Important species of fleas	11	2
12	Family sarcoptidae: sarcoptes: Burrowing Mites, Non Burrowing Mites, Order Coleoptera: True Beetles, Blister Beetles Dung Beetles	12	2
13	Order Hemiptera: Bed Bugs Kissing Bugs Order Diptera: ARACHNIDS: VENOMOUS SPIDERS BLACK WIDOW - Latrodectus mactans FIDDLE-BACKED - Loxosceles reclusa Mosquitoes Other Blood Feeding flies MYIASIS PRODUCING DIPTERA Larvae	13	2
14	Family: Ixodidae: Ticks: Common Hard Ticks ,Common Soft Ticks.	14	2
15	Dermacentor, Oestrus, Order Orthoptera Cockroaches Grasshoppers	15	2
16	Final exam	16	2
	Number of Weeks /and Units Per Semester	16	32

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III. Teaching strategies of the course:

- Lectures depending on the sharing efforts of the students and supported with macromedia and multimedia aids.
- Training in the laboratory
- Self-learning (Electronic learning, Seminars, scientific search on related websites, international, national and local journals, related books in faculty library).
- Summer training course.
- Assays and reviews.
- Discussion groups.
- Group work
- Problem Solving
- Assignments
- Brainstorming
- Log book
- Field visits.

IV. Assessment Methods:

- -Written exam
- -Practical exam
- -Oral exam
- -Quizzes
- Report assignments
- Discussion.

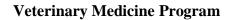
No.	Type of Assessment Tasks	Week Due	Mark	Proportion of Final Assessment
1	Participation, quizzes and assignments	2-14	10	10%
2	Mid-Term Exam	8	10	10%
3	Mid-Term Practical Exam	8	10	10%
4	Final Practical Exam	13	10	10%
5	Oral Exam	13	5	5%

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6	Final Exam	16	55	55%
	Total		100	100%

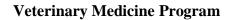
V. Learning Resources:						
•						
1- Required Textbook(s) (maximum two).						
Foundation of parasitology .2006 by Larry S. Roberts (author), John Janovy (author).						
 Hendrix CH.M. (1998): diagnostic veterinary parasitology (1998) by mosby Inc. 						
2- Essential References.						
-Abyladze, k. E. et al. (1990): parasitology and infections disease, agriculturals animals. Mir publ Moscow, ussR in Russian.	lisł					
- Geffrey, H. C. et al. (1991): Atlas of medical helminthology and protozology. Churchill livingst New York.	on					
 Georgi, J. R.; Georgi, N. E. (1990): parasitology for veterinarians, . 5 Ed., Philadelphia, London Kassai, T. (1999): Vet. Helminthology butterwoth – Heinemann . Mehlhorn, H.; Duwel, D.; und raether, W. (1993): Diagnose und Therapie der Parasiten von Hau 						
und Heimtieren . gustav fischer verlag Stuttgart Maff Adas (1986) : Manual of veterinary parasitological laboratory techniques . 3. Ed reference 4 HMSO, London.	418					
- Soulsby, E. J. L. (1986): Helminths, arthropods and protozoa of domesticated animals 7. Ed. Bai tindall, London.	illio					
3- Electronic Materials and Web Sites <i>etc</i> .						
Scientific Journals						
☐ The journal of parasitology						
☐ The journal of veterinary medical science.						
☐ The journal of Veterinary parasitol.						
☐ Korean journal of parasitology.						
Scientific websites						
□ http://www.cdc.org						
□ http://wwwpubmed.org/						

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http://	/www.sciencedirect.com/

VI. Co	VI. Course Policies:				
1	Class Attendance:				
	MANDATORY TO ATTEND ALL COURSE LECTURES				
2	Tardy: Not allowed at all. Students must be in class 10 minutes prior to the beginning of lectures.				
3	Exam Attendance/Punctuality:				
	Attendance is mandatory; absence is accepted with valid excuse.				
4	Assignments & Projects:				
	All assignments and projects are to be submitted on their due date. Any assignment turned in after				
	the due date will not be accepted without valid and reasonable excuse.				
5	Cheating:				
	Not tolerated and may lead to EXPELLING the student from the program				
6	Plagiarism:				
	Not tolerated AT ALL and may lead to EXPELLING the student from the program				
7	Other policies:				
	1- All devices must be on silent or at least on vibration during lectures/labs.				
	2- Before any exam (written, practical, oral) student's identity will be checked				
	(student's card, ID, passport). Without any of these documents, the student will not				
	be allowed in the exam room.				
	3- Any of type/ form of cheating is not allowed no matter what.				
	4- Maintain silence during lectures and disturbance is not allowed.				

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