Faculty Of Veterinary Medicine



<u>Course Specification of Veterinary Internal</u> <u>Medicine (2)</u>

	I. Course Identification and General Information:								
1	Course Title:	Veterinary Internal Medicine (2)							
2	Course Number & Code:		Ι	M465					
			С.Н						
3	Credit hours:	Theoretical Practical Training		Training	Seminar	Total			
		3	1	-	-	4			
	Study level/	F	ourth Year -	Second Sem	nester				
	semester at								
4	which this								
	course is offered:								
		D (4C4							
5	Pre -requisite (if any):	IM464							
	Co – requisite (if	None							
6	any):	None							
	Program (s) in	Bachelor of Veterinary Medicine							
-	which the								
7	course is								
	offered:								
	Language of		Englisł	n language					
8	teaching the								
	course:								
	Location of	Facult	ty of Veterina	ary Medicine	e Building				
9	teaching the								
10	course:	Dr. Abdulraqeb Ali Alshami							
10	Prepared by: Date of		DI. Addulfa	Jeu All Alsh	ailli				
11	approval:								
	approvar.								

II. Course description:

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This course reviews internal diseases that effecting different body systems of animal species such as cattle, horses, sheep, goat and small animals. The etiology, clinical signs and pathogenesis of these diseases will be discussed in details as will as diagnosis, treatment and prevention. Students will learn concepts related to basic clinical examination, diagnostic principles and treatment for different animal species. Students will also be able to the development and application of appropriate professional attitudes, communication and problem solving skills.

Π	III. Intended learning outcomes (ILOs) of the course:				
(A)	(A) Knowledge and Understanding:				
Align	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs)				
Drog	in: Knowledge and Understanding.				
IIUg	Program Intended Learning Outcomes (Sub- PILOs) in: Course Intended Learning Outcomes (CILOs) in:				
ŀ	Knowledge and Understanding		Knowledge and Understanding		
	completing this program, students will		r completing this course, students will b		
be	able to:	able	to:		
A2-	Clarifies basic concepts, principles, and theories related to animal production, animal health and nutrition, behavior management, breeding and care that is related to animal ethical codes.	a1-	Describe appropriate management for abnormalities affecting growth and development.		
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.	a2- Elucidate the causes, pathogenesis, clinical symptoms, diagnosis, treatme and prognosis of the diseases of liver and pancreas and urinary, cardiovascular, nervous and musculoskeletal system .			
	Teaching And Assessment Methods For Achieving Learning Outcomes:				
A	0		ge and Understanding to Teaching and nent Methods:		

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1		.	محمد عباس



Co	urse Intended Learning Outcomes (CILOs) in Knowledge and Understanding	Teaching strategies/methods to be used	Methods of assessment
comj to: a1-	Describe appropriate management for abnormalities affecting growth	board, data shows and multimedia aids. - brainstorm.	 Written exam Practical exam Oral exam Quizzes
a2-	and development. Elucidate the causes, pathogenesis, clinical symptoms, diagnosis, treatment and prognosis of the diseases of liver and pancreas and urinary, cardiovascular, nervous and musculoskeletal system .	 discussion. Self-learning by preparing essay and presentations (computer and faculty library) Practical training (Clinical demonstrations, practice of skills, and discussions). (a) Field visits (farms and villages) (b) General experimental animal teaching (c) Clinical and small group sessions (d) Outpatient clinic 	 Report assignments Discussion

(B)	(B) Intellectual Skills:				
Align	ment of Course Intended Learning Outcomes (CILOs) to Pro	ogram I	Intended Learning Outcomes (PILOs) in: Intellectua		
Pro	Program Intended Learning Outcomes (Sub- PILOs) in Intellectual skillsCourse Intended Learning Outcomes (C Intellectual Skills				
After	After completing this program, students will be able to:		After completing this course, students will be able to:		
B1-	Competently practices analytical and critical thinking skills in studying and assessing health problems and reading the results of animal medical examinations and in related sciences.	b1-	Interpret the incidence and most important symptoms and signs of disease in animals.		

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B4-	Determine appropriate and effective treatment evaluates all medications used for each diseased condition.	b2-	Recognize appropriate in different animal emergen	_
	Teaching And Assessment Metho	ds Fo	or Achieving Learning	g Outcomes:
	ment of Learning Outcomes of Intellectual Skills			
Co	urse Intended Learning Outcomes (CILOs) in Intellectual Skills.	Теа	ching strategies/methods to be used	Methods of asse
After	completing this course, students will be able to:		tures using board,	-Written exam
b1-	Interpret the incidence and most important symptoms and signs of disease in animals.	mult - bra	a shows and timedia aids. ainstorm.	-Practical exam -Oral exam - Quizzes
b2-	Recognize appropriate initial management for different animal emergencies.	-Sel essa (con libra -Pra dem skill: (a) villa (b) anii (c) gro	cussion. f-learning by preparing ay and presentations nputer and faculty ry) actical training (Clinical ionstrations, practice of s, and discussions). Field visits (farms and ages) General experimental mal teaching Clinical and small up sessions Outpatient clinic	- Report assignm - Discussion

~ ~	(C) Professional and Practical Skills: Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and			
	Practic	-	-	
	Program Intended Learning Outcomes (Sub- PILOs) in Professional and Practical SkillsCourse Intended Learning Outcomes (CILOs) in Professional and Practical Skills			
After	completing this program, students will be able to:	After completing this course, students will be able to:		
С3-	Reads the results of laboratory investigations and diagnostic scans and writes reports and prescriptions for all common cases in a proper way.	c1-	Perform an adequate clinical examination for diseased animal and identify deviations from normal.	

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			محمد عباس



C4-	Treats of animal patients safely and effectively taking into account the evaluation of the results, the appropriate modification of the treatment plan and the accurate description of the appropriate medications.	c2-	Formulate appropriate management plans for individual patients presenting with the most common internal medicine. The management plan should indicate investigations (and how they would be interpreted) as well as treatment.		
	Teaching And Assessment Meth		0	0	
	ment of Learning Outcomes of Professional and Practic ourse Intended Learning Outcomes (CILOs) in			ent Methods: Methods of assessment	
u	Professional and Practical Skills	Teac	hing strategies/methods to be used	withous of assessment	
After	completing this course, students will be able to:		ctical training iical demonstrations,	-Written exam -Practical exam	
c1-	Perform an adequate clinical examination for diseased animal and identify deviations from normal.	prac disc	tice of skills, and ussions).	-Oral exam - Quizzes - Report assignments	
c2-	Formulate appropriate management plans for individual patients presenting with the most common internal medicine. The management plan should indicate investigations (and how they would be interpreted) as well as treatment.	 (a) Field visits (farms and villages) (b) General experimental animal teaching (c) Clinical and small group sessions (d) Outpatient clinic - Case study 		- Discussion	

(D)	(D) General / Transferable Skills:				
A	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Genera Transferable skills				
Program Intended Learning Outcomes (PILOs) in General / Transferable skills			ourse Intended Learning Outcomes (C General / Transferable skills		
After o	completing this program, students will be able to:	Afte	r completing this course, students will be able t		
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-	Cooperate in work effectively and share knowledge.		
D3-	Practices problem-solving, negotiation, supervision and veterinary medical management	d2-	Use new technology in veterinary externation capability of use of recent communicat like E mail, fax and internet connections		
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	skills and writing research reports efficiently and professionally.			
	Teaching And Assessment Metho	ds F	or Achieving Learni	ing Outcome
A	Alignment of Learning Outcomes of General and Tran	nsfera	able skills to Teaching and	Assessment Me
Co	urse Intended Learning Outcomes (CILOs) in General and Transferable Skills	Tea	ching strategies/methods to be used	Methods of as
After o	completing this course, students will be able to:		f-learning by preparing y and presentations	- Achievement - Evaluating st
d1-	Cooperate in work effectively and share learned knowledge.		nputer and faculty	presentations. - Practical example
d2-	Use new technology in veterinary extension and capability of use of recent communications tools like E mail, fax and internet connections	wor - Sc - dis	ooperative learning and king groups ientific visits scussions ssignments	 Report assign Discussion Note perform

IV. Course Content:						
1	– Course Topics/Ite	ems:				
	a – Theoretical Aspe	ect				
Orde r	Topic List / Units	CILOs (symbols)	Sub-topic List	Numbe r of weeks	Contact hours	
1	Diseases of liver and pancreas	a1, a2, b1, b2, c1, c2, d2	 -Principles of hepatic disfunction -Manifestation of liver and biliary diseases -Principles of treatment in diseases of the liver -Diffuse diseases of the liver -Diseases of pancreas 	2	6	
2	Diseases of cardiovascular system	a1, a2, b1, b2, c1, c2, d2	 Principles of circulatory failure Manifestation of circulatory failure Arrhythmias 	2	6	

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			-Diseases of the heart - Diseases of the blood vessels		
3	Diseases of urinary system	a1, a2, b1, b2, c1, c2, d2	 Principles of renal insufficiency Principles of treatment of urinary tract disease Diseases of the kidney Diseases of the bladder, ureters and urethra 	2	6
4	Diseases of the hemolymphatic and immune systems	a1, a2, b1, b2, c1, c2, d2	-Hemorrhagic disease - lymphadenitis -Amyloidosis	1	3
5	Diseases of nervous system	a1, a2, b1, b2, c1, c2, d2	 Principles of nervous disfunction Principles of treatment of diseases of the nervous system Diffuse diseases of the brain Diseases of the meninges Epilepsy Diseases of the spinal cord 	2	6
6	Diseases of musculoskeletal system	a1, a2, b1, b2, c1, c2, d2	-Diseases of muscles -Diseases of bones -Diseases of joints -Congenital defects of muscles, bones and joints	2	6
7	Diseases of skin	a1, a2, b1, b2, c1, c2, d2	 Principles of treatment of diseases of the skin Diseases of the epidermis and dermis Diseases of the hair, wool, follicles, skin 	2	6

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8	Diseases of conjunctiva and external ear	a1, a2, b1, b2, c1, c2, d2	glands, homs and hooves - Diseases of conjunctiva - Congenital defects of the eyelids and cornea - Diseases of external	1	3
			ear		
Number of Weeks /and Units Per Semester			14	42	

	b- Training Aspect:						
Order	Training Tasks	CILOs (symbols)	Number of weeks				
1	Examination of liver and pancreas (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
2	Examination of cardiovascular system (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
3	Examination of urinary system (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
4	Examination of hemolymphatic and immune systems (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	1	2			
5	Examination of nervous system (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
6	Examination of musculoskeletal system (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
7	Examination of skin (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	2	4			
8	Examination of conjunctiva and external ear (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2, d2	1	2			
	Number of Weeks /and Units	Per Semester	14	28			

V. Teaching strategies of the course:

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- Lectures using board, data shows and multimedia aids.
- Self-learning by preparing essay and presentations (computer and faculty library)
- Brainstorm
- Discussion
- Cooperative learning
- Practical training (Clinical demonstrations, practice of skills, and discussions).

(a) Field visits (farms and villages)

(b) General experimental animal teaching

- (c) Clinical and small group sessions
- (d) Outpatient clinic
- Tutorial classes (small group teaching)

3-Assessment Methods:

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

Grading Scale: Grades are awarded on a scale from A to F, where A is the best grade (90-100) and F is a fail(<50).

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, d2		
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	15	10	10%	a1, a2, b1, b2, c1, c2
5	Oral Exam	16	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)
Saturday-Wednesday from 8:00 a.m2 p.m.	Student can contact me via email

VIII.	Learning Resource (MLA style or APA style)S:
ŀ	Required Textbook(s) (maximum two)
	• Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (2007): Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep, pigs and goats 10 th Ed. Baillere Tindall, London.
	• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St Louis, London, Philadelphia, Sydney, Toronto.
ŀ	Recommended Readings and Reference Materials
	 Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (2007): Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep, pigs and goats 10th Ed. Baillere Tindall, London.
	• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St Louis London, Philadelphia, Sydney, Toronto.
	 Color atlas of diseases and disorders in cattle by. Blowey, Roger W and Weav A. David 20113rd Ed.
	 Pocket companion to textbook of veterinary internal medicine

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 Philip R.S., Colin D.P. and Alastair I. M (2011): Cattle Medicine. Mans Publishing/The Veterinary Press. 	on
• Pugh D.G. (2002): Sheep and goat medicine . ¹ st ed., Saunders An Impr Elsevier, Philadelphia, Pennsylvania.	int of
Essential References	
• Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (200	7):
Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep,	, pigs a
goats 10 th Ed. Baillere Tindall, London.	
• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St	Louis
London, Philadelphia, Sydney, Toronto.	
Textbook of veterinary internal medicine.	
Electronic Materials and Web Sites <i>etc</i> .	
Journal of Veterinary Internal Medicine (http://www.wiley.com/bw/journal.asp)
<u>American College of Veterinary Internal Medicine</u>	
• <u>Internal Medicine</u> www.criticalcarevets.com	
• <u>Internal Medicine</u> www.animal-emergency.com	
<u>Central Texas Veterinary Specialty Hospital - Internal Medicine</u>	
IVIS Bookstore: Ruminant Medicine - International Veterinary	
<u>Alberta Agriculture, Food and Rural Development</u> Livestock diseases and parasites.	
American Association of Bovine Practitioners	
The American Association of Bovine Practitioners is an international association	on of
veterinarians organized to enhance the professional lives of its members thr	
relevant continuing education that will improve the well-being of cattle and	-
economic success of their owners, increase awareness and promote leadershi	
issues critical to cattle industries, and improve opportunities for careers in be	-
medicine.	
<u>American Association of Small Ruminant Practitioners</u>	
<u>Animal Disease Information</u>	
Animal disease factsheets, image database, power points, zoonotic fast facts, di	sease
wall charts, etc.	
• <u>Bovine Tuberculosis Eradication: Uniform Methods and Rules</u>	- لـ م م ا
(PDF) These Uniform Methods and Rules (UM&R) are the minimum stand adopted and approved by the Animal and Plant Health Inspection Service (API	
They were established for the maintenance of tuberculosis-free accredited her	,
They were estublished for the manifeliance of tuberealosis-free accredited her	45 01

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cattle and bison and the maintenance of State or zone status in the U.S. Department of Agriculture's (USDA) tuberculosis eradication program. These minimum standards do not preclude the adoption of more stringent standards by any State or zone.

• Cattle Diseases

University of Nebraska - NU Institute of Agriculture and Natural Resources

• Large Animal Veterinary Rounds

Rounds transcripts presented at the Western College of Veterinary Medicine (University of Saskatchewan) Department of Large Animal Clinical Sciences. The transcripts are available in pdf format and are searchable by year.

Food Animal Production Medicine Nutrition Topics

Publications, information, and data collection tools include: Herd Based Tests For Metabolic Disorders, Introduction To Ruminal Acidosis, Herd Based Diagnosis Of Ruminal Acidosis, Nutritional Management Of Ruminal Acidosis, Factors That Contribute To Ruminal Acidosis, Ketosis And Hepatic Lipidosis, Hypokalemia Article, Calcium Chloride Gel Treatment Of Parturient Dairy Cows, and a Herd Nutrition History And Evaluation Form.

• Small Ruminant Information

A variety of extension publications on sheep from the University of Missouri. Covering subjects from Care of Ewes and Lambs at Lambing Time to Mastitis in the Ewe.

- Equine Medicine
- Pet Animals Medicine News Results
- Livestock Library

Other Learning Material:

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:

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	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 Internal Medicine (2)

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X Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Dr. Abdulraqeb Ali Alshami			Office	Hours	5	
Location & Telephone No.	Sana'a Governorate 778466544	SAT	SUN	MON	TUE	WED	THU
E-mail	Alshami.vet@gmail.com	8am 2pm	8am 2pm	8am 2pm	8am 2pm	8am 2pm	

KI.	I. Course Identification and General Information:						
	1	Course Title:	Vet	erinary Int	ernal M	Iedici	ne (2)
	2	Course Number & Code:		I	M465		
				C.H	_		
	3	Credit hours:	Th.	Seminar	Pr.	F. Tr.	Total
			3	-	1	I	4
	4	Study level/year at which this course is offered:	Fourth Year - Second Semester			ester	
	5	Pre –requisite (if any):		Ι	M464		
	6	Co –requisite (if any):]	None		
	7	Program (s) in which the course is offered	Ba	chelor Ve	terinary	/ Medi	cine
	8	Language of teaching the course:		Englis	h langı	lage	
	9	System of Study:		Regular	/ Sem	esters	
	10	Mode of delivery:		Lectures	and Pr	actical	
	11	Location of teaching the course:	Fac	culty of Ve Bi	terinar uilding	y Med	icine

II. Course Description:

This course reviews internal diseases that effecting different body systems of animal species such as cattle, horses, sheep, goat and small animals. The etiology, clinical signs and pathogenesis of these diseases will be discussed in details as will as diagnosis, treatment and prevention. Students will learn concepts related to basic

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clinical examination, diagnostic principles and treatment for different animal species. Students will also be able to the development and application of appropriate professional attitudes, communication and problem solving skills

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

After completing this course, students will be able to:

al- Describe appropriate management for abnormalities affecting growth and development.

a2- Elucidate the causes, pathogenesis, clinical symptoms, diagnosis, treatment and prognosis of the diseases of liver and pancreas and urinary, cardiovascular, nervous and musculoskeletal system .

b1- Interpret the incidence and most important symptoms and signs of disease in animals.

b2- Recognize appropriate initial management for different animal emergencies.

c1- Perform an adequate clinical examination for diseased animal and identify deviations from normal.

c2- Formulate appropriate management plans for individual patients presenting with the most common internal medicine. The management plan should indicate investigations (and how they would be interpreted) as well as treatment.

d1- Cooperate in work effectively and share learned knowledge.

d2- Use new technology in veterinary extension and capability of use of recent communications tools like E mail, fax and internet connections.

/. Course Content:

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A – Theoretical Aspect:					
Order	Topics List	Week Due	Contact Hours		
1	Diseases of liver and pancreas: -Principles of hepatic disfunction -Manifestation of liver and biliary diseases -Principles of treatment in diseases of the liver -Diffuse diseases of the liver -Diseases of pancreas	1,2	6		
2	Diseases of cardiovascular system: - Principles of circulatory failure - Manifestation of circulatory failure -Arrhythmias -Diseases of the heart - Diseases of the blood vessels	3,4	6		
3	Diseases of urinary system: - Principles of renal insufficiency - Principles of treatment of urinary tract disease - Diseases of the kidney - Diseases of the bladder, ureters and urethra	5,6	6		
4	Diseases of the hemolymphatic and immune systems: -Hemorrhagic disease - lymphadenitis -Amyloidosis	7	3		
5	Mid-Term Exam	8	3		
6	Diseases of nervous system: - Principles of nervous disfunction - Principles of treatment of diseases of the nervous system - Diffuse diseases of the brain -Diseases of the meninges -Epilepsy -Diseases of the spinal cord	9,10	6		
7	Diseases of musculoskeletal system:	11,12	6		



	-Diseases of muscles -Diseases of bones -Diseases of joints -Congenital defects of muscles, bones and joints		
8	Diseases of skin: - Principles of treatment of diseases of the skin -Diseases of the epidermis and dermis -Diseases of the hair, wool, follicles, skin glands, homs and hooves	13,14	6
9	Diseases of conjunctiva and external ear: - Diseases of conjunctiva - Congenital defects of the eyelids and cornea - Diseases of external ear	15	3
10	Final Exam	16	3
Nui	mber of Weeks /and Units Per Semester	16	48

	b- Training Aspect:					
Order	Training Tasks	Week Due	Contact hours			
1	Examination of liver and pancreas (cases, how to examine and treat)	1,2	4			
2	Examination of cardiovascular system (cases, how to examine and treat)	3,4	4			
3	Examination of urinary system (cases, how to examine and treat)	5,6	4			
4	Examination of hemolymphatic and immune systems (cases, how to examine and treat)	7	2			
5	Mid-Term Exam	8	2			
6	Examination of nervous system (cases, how to examine and treat)	9,10	4			
7	Examination of musculoskeletal system (cases, how to examine and treat)	11,12	4			
8	Examination of skin (cases, how to examine and treat)	13,14	4			

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y y	xamination of conjunctiva and examine and treat)	15	2		
	inal Exam	16	2		
	Number of Weeks /and Units	Per Semester		16	32
V. Tead	hing strategies of the cou	rse:			
• L	ectures using board, data show	s and multimed	lia aids.		
• S	elf-learning by preparing essa	y and presenta	ations (com	puter and fa	culty
li	brary)				
• B	rainstorm				
• I	Discussion				
• C	ooperative learning				
	Practical training (Clinical	demonstration	s, practice	of skills,	and
	iscussions).				
	a) Field visits (farms and villag	·			
	b) General experimental animal	e			
· · · · · · · · · · · · · · · · · · ·	c) Clinical and small group sess	sions			
	l) Outpatient clinic				
	utorial classes (small group tea	ching)			
-	ssment Methods:				
-Written -Practica					
-Oral exa					
-Quizzes					
- Report	assignments				
- Discuss	sion.				
No.	Turce of			Proportio	on of
	Type of Assessment Tasks	Week Due	Mark	Final	
				Assessm	ent
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	15	10	10%	
5	Oral Exam	16	5	5%	



6	Final Exam	16	55	55%
	Total		100	100%

II. Learning Resources:
1- Required Textbook(s) (maximum two).
 Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (2007): Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep, pigs and goats 10th Ed. Baillere Tindall, London.
• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St Louis, London, Philadelphia, Sydney, Toronto.
2- Essential References.
• Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (20
Veterinary Medicine, A textbook of the diseases of cattle, horses, sheep and goats 10 th Ed. Baillere Tindall, London.
• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, S
Louis, London, Philadelphia, Sydney, Toronto.Textbook of veterinary internal medicine.
3- Electronic Materials and Web Sites <i>etc</i> .
Journal of Veterinary Internal Medicine
(<u>http://www.wiley.com/bw/journal.asp</u>)
<u>American College of Veterinary Internal Medicine</u>
Internal Medicine www.criticalcarevets.com
• <u>Internal Medicine</u> www.animal-emergency.com
<u>Central Texas Veterinary Specialty Hospital - Internal Medicine</u>
IVIS Bookstore: Ruminant Medicine - International Veterinary
<u>Alberta Agriculture, Food and Rural Development</u>
Livestock diseases and parasites.
<u>American Association of Bovine Practitioners</u>
The American Association of Bovine Practitioners is an international association of veterinarians organized to enhance the professional lives of its
members through relevant continuing education that will improve the well-

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··		- ج ارو ، حو حي	محمد عباس

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being of cattle and the economic success of their owners, increase awareness and promote leadership for issues critical to cattle industries, and improve opportunities for careers in bovine medicine. American Association of Small Ruminant Practitioners **Animal Disease Information** Animal disease factsheets, image database, power points, zoonotic fast facts, disease wall charts, etc. • Bovine Tuberculosis Eradication: Uniform Methods and Rules (PDF) These Uniform Methods and Rules (UM&R) are the minimum standards adopted and approved by the Animal and Plant Health Inspection Service (APHIS). They were established for the maintenance of tuberculosis-free accredited herds of cattle and bison and the maintenance of State or zone status in the U.S. Department of Agriculture's (USDA) tuberculosis eradication program. These minimum standards do not preclude the adoption of more stringent standards by any State or zone. • Cattle Diseases University of Nebraska - NU Institute of Agriculture and Natural Resources Large Animal Veterinary Rounds Rounds transcripts presented at the Western College of Veterinary Medicine (University of Saskatchewan) Department of Large Animal Clinical Sciences. The transcripts are available in pdf format and are searchable by year. Food Animal Production Medicine Nutrition Topics Publications, information, and data collection tools include: Herd Based Tests For Metabolic Disorders, Introduction To Ruminal Acidosis, Herd Based Diagnosis Of Ruminal Acidosis, Nutritional Management Of Ruminal Acidosis, Factors That Contribute To Ruminal Acidosis, Ketosis And Hepatic Lipidosis, Hypokalemia Article, Calcium Chloride Gel Treatment Of Parturient

Dairy Cows, and a Herd Nutrition History And Evaluation Form.

• Small Ruminant Information

A variety of extension publications on sheep from the University of Missouri. Covering subjects from Care of Ewes and Lambs at Lambing Time to Mastitis in the Ewe.

- Equine Medicine
- Pet Animals Medicine News Results
- Livestock Library

X. Course Policies:

1 Class Attendance:

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	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: All devices must be on silent or at least on vibration during lectures/labs. 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. Any of type/ form of cheating is not allowed no matter what. 			

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