

Course Specification of Veterinary Internal Medicine (3)

Ι	. Course Identification and General Info	ormation:						
1	Course Title:	Veterinary Internal Medicine (3)						
2	Course Number & Code:	IM466						
			C.H			Tatal		
3	Credit hours:	Theoretical Practical Training Seminar				Total		
		2	1	-	-	3		
4	Study level/ semester at which this course is offered:	Fifth Year - Frist Semester						
5	Pre –requisite (if any):	IM465						
6	Co –requisite (if any):		N	None				
7	Program (s) in which the course is offered:	Bachelor of Veterinary Medicine						
8	Language of teaching the course:	English language						
9	Location of teaching the course:	Faculty of Veterinary Medicine Building						
10	Prepared by:	Dr. Abdulraqeb Ali Alshami						
11	Date of approval:							

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 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.

Prepared by Dr. Abdulraqeb Alshami Dr. Abdulraqeb Alshami

Quality Assurance Unit

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

Academic Development Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad



III. Intended learning outcomes (ILOs) of the course:				
(A)	Knowledge and Understanding:			
Ali	gnment of Course Intended Learning Outcomes (CILOs) to Pr			.Os) in: Knowledge and
Understanding.Program Intended Learning Outcomes (Sub- PILOs) in:Course Intended Learning Outcomes (CILOs) Knowledge and UnderstandingKnowledge and UnderstandingKnowledge and Understanding				
After	completing this program, students will be able to:	Afte	r completing this course, stu	dents 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.			ment and prognosis of	
A4-	Describes the foundations and procedural steps for treating all diseases that affect different animals, highlighting the medical conditions that need surgical interventions.	a2- Describe appropriate measures for health promotion as well as prevention of diseases in animals.		
	Teaching And Assessment Metho		<u> </u>	
	Alignment of Learning Outcomes of Knowledge an		<u> </u>	
Cou	rse Intended Learning Outcomes (CILOs) in Knowledge and Understanding	Tea	ching strategies/methods to be used	Methods of assessment
comp	eleting this course, students will be able to:		tures using board, data	- Written exam - Practical exam
a1-	Illustrate the causes, pathogenesis, clinical symptoms, diagnosis, treatment and prognosis of metabolic, nutritional deficiencies and mammary glands diseases .	 brainstorm. discussion. Self-learning by preparing essay and presentations (computer and faculty library) 		 Oral exam Quizzes Report assignments Discussion
a2-	Describe appropriate measures for health promotion as well as prevention of diseases in animals.	-Pra dem	ctical training (Clinical onstrations, practice of s, and discussions).	

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Faculty Of Veterinary Medicine

Veterinary Medicine Program



(a) Field visits (farms and villages)(b) General experimental animal teaching
(c) Clinical and small group sessions
(d) Outpatient clinic

(B) Intellectual Skills:				
	ment of Course Intended Learning Outcomes (CILOs) to Pro			
Pr	ogram Intended Learning Outcomes (Sub- <u>PILOs</u>) in Intellectual skills	C	ourse Intended Learning Intellectual	. ,
After	completing this program, students will be able to:	After	completing this course, stude	nts 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.			Interpret the incidence an symptoms and signs of di	1
B2-	Predicts an appropriate medical diagnosis for the most common disease states through analysis of clinical story data and the results of medical examinations of sick animal.	b2- Analyzes the results of laboratory diagnosis and writes prescriptions for all common diseased cases.		
	Teaching And Assessment Metho		0 0	
	ment of Learning Outcomes of Intellectual Skills			
Co	urse 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:	-Lec	tures using board, data	-Written exam
b1-	Interpret the incidence and most important symptoms and signs of disease in animals.	shows and multimedia aids. - brainstorm. - discussion.		-Practical exam -Oral exam - Quizzes
b2-	Analyzes the results of laboratory diagnosis and writes prescriptions for all common	-Self-learning by preparing essay and presentations (computer and faculty		 Report assignments Discussion
]	Prepared by Quality Assurance Unit	D	ean of the Faculty	Academic Development

Dr. Abdulraqeb Alshami Dr. Abdulraqeb Alshami Ass. Prof. Dr. Abdu Alraoof Al-Shawkany

Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad



diseased cases.	library) -Practical training (Clinical demonstrations, practice of skills, and discussions). (a) Field visits (farms and villages) (b) General experimental conincel teaching	
	e ,	
	(c) Chinedi and shian group sessions (d) Outpatient clinic	

Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: Professional and Practical Skills						
Pro PII	rse Intended Learning Outcomes (CILOs) in Professional and Practical Skills					
After c	completing this program, students will be able to:	After	completing this course, students will be able to:			
C2-	Practicing practical, diagnostic, clinical and research skills, including the collection of samples in various fields of veterinary medicine and related sciences, in a safe and effective manner, taking into account the ethics of the profession.	c1-	Apply different techniques for diagnosis diseased animals and perform differentiating between similar diseases.			
C3-	Reads the results of laboratory investigations and diagnostic scans and writes reports and prescriptions for all common cases in a proper way.	c2-	Perform an adequate clinical examination for diseased animal and identify deviations from normal.			
	8		For Achieving Learning Outcomes:			
	ment of Learning Outcomes of Professional and Practic urse Intended Learning Outcomes (CILOs) in		lls to Teaching and Assessment Methods: ching strategies/methods Methods of assessm			

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REPUBLIC OF YEMEN SANA'A UNIVERSITY **Faculty Of Veterinary Medicine**

Veterinary Medicine Program



	Professional and Practical Skills	to be used	
		-Practical training (Clinical demonstrations, practice of	-Written exam -Practical exam
c1-	Apply different techniques for diagnosis diseased animals and perform differentiating between similar diseases.	skills, and discussions). (a) Field visits (farms and villages)	-Oral exam - Quizzes - Report assignments
c2-	Perform an adequate clinical examination for diseased animal and identify deviations from normal.	 (b) General experimental animal teaching (c) Clinical and small group sessions (d) Outpatient clinic - Case study 	- Discussion

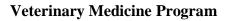
(D)	(D) General / Transferable Skills:				
А	Alignment of Course Intended Learning Outcomes (CILOs) to Program Intended Learning Outcomes (PILOs) in: General and Transferable skills				
Prog	Program Intended Learning Outcomes (PILOs) in General / Transferable skillsCourse Intended Learning Outcomes (CILOs) in General / Transferable skills				
After c	After completing this program, students will be able to:After completing this course, students will be able to:				
D1-	Communicates effectively with Professional colleagues and animal owners and expresses his ideas clearly and objectively.	d1- Communicate effectively with logistic & working teams and scientifically discuss in scientific manner in scientific discussions and meetings.			
D3-	Practices problem-solving, negotiation, supervision and veterinary medical management skills and writing research reports efficiently and professionally.	d2-	6		
	Teaching And Assessment Metho	ds F	or Achieving Learni	ing Outcomes:	
A	Alignment of Learning Outcomes of General and Tran	nsfera	ble skills to Teaching and	Assessment Methods:	
Co	Course Intended Learning Outcomes (CILOs) in General and Transferable SkillsTeaching strategies/methods to be usedMethods of assessme				
After o	completing this course, students will be able to:	-Sel	f-learning by preparing	- Achievement file	

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Faculty Of Veterinary Medicine





d1-	Communicate effectively with logistic & working teams and scientifically discuss in scientific manner in scientific discussions and meetings.	(computer and faculty	 Evaluating student presentations. Practical exam Report assignments
d2-	Continue to self-learn and transcribe data to highlighted or solve problematic situation with fast response and write report on specific scientific related subject to the course.		 Discussion Note performance

I. Course Content:							
1 – Course Topics/Items:							
	a – Theoretical Aspect						
Order	Topic List / Units	CILOs (symbols)	Sub-topic List	Number of weeks	Contact hours		
1	Diseases of the newborn	a1, a2, b1, b2, c1, c2	 Perinatal and postnatal diseases Congenital defects Physical and environmental causes of perinatal disease Neonatal infection 	1	2		
2	Metabolic diseases	a1, a2, b1, b2, c1, c2	 Milk fever Downer cow syndrome Hypomegnesemic tetanies Ketosis Pregnancy toxemia Postparturient hemoglubinuria Azoturia 	5	10		
3	Diseases of the mammary Glands	a1, a2, b1, b2, c1, c2	-Bovine mastitis -Mastitis of sheep -Mastitis of goats	1	2		

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4	Diseases caused by nutritional deficiencies	a1, a2, b1, b2, c1, c2	 Deficiency of vitamin A, E and selenium and D Deficiency of copper, iodine and zinc Deficiency of calcium, magnesium and phosphorus Deficiency of vitamin C and manganese Deficiency of thiamin, B12, ribolavin and cholline 	5	10
5	Diseases caused by poisonous materials	a1, a2, b1, b2, c1, c2	Diseases associated with toxins in plants, fungi, cyanobacteria, clavibacteria, insects and animals	2	4
	Number of Weel	s /and Units Per S	emester	14	28

	b- Training Aspect:						
Order	Training Tasks	CILOs (symbols)	Number of weeks	Contact hours			
1	Newborn diseases (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2	1	2			
2	Metabolic diseases (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2	5	10			
3	Diseases of the mammary gland (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2	1	2			
4	Diseases caused by nutritional deficiencies (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2	5	10			
5	Diseases caused by poisonous materials (cases, how to examine and treat)	a1, a2, b1, b2, c1, c2	2	4			
	Number of Weeks /and Units Pe	er Semester	14	28			

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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).
 Brainstorm Discussion Cooperative learning
DiscussionCooperative learning
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

- 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).

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Π	III. 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					
	Final Exam	16	55	55%	a1, a2, b1, b2, c1, c2					
	Total		100	100%						

IV. Students' Support:	
Office Hours/week	Other Procedures (if any)
Saturday-Wednesday from 8:00 a.m2 p.m.	Student can contact me via email

V. Learning Resource (MLA style or APA style)S:							
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- 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 10 th Ed. Baillere Tindall, London.							
• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St Louis, London, Philadelphia							

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Sydney, Toronto. Color atlas of diseases and disorders in cattle by. Blowey, Roger W and Weaver, A. David 20113rd H Pocket companion to textbook of veterinary internal medicine . Ettinger, Stephen J. Philip R.S., Colin D.P. and Alastair I. M (2011): Cattle Medicine. Manson Publishing/The Veterinary Press. Pugh D.G. (2002): Sheep and goat medicine .¹st ed., Saunders An Imprint of Elsevier, Philadelphia, Pennsylvania. **3-** Essential References 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. • Textbook of veterinary internal medicine. Electronic Materials and Web Sites etc. 4-Journal of Veterinary Internal Medicine (http://www.wiley.com/bw/journal.asp) American College of Veterinary Internal Medicine Internal Medicine www.criticalcarevets.com Internal Medicine www.animal-emergency.com Central Texas Veterinary Specialty Hospital - Internal Medicine **IVIS Bookstore: Ruminant Medicine - International Veterinary** Alberta Agriculture, Food and Rural Development Livestock diseases and parasites. American Association of Bovine Practitioners 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-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 Prepared by **Quality Assurance Unit** Dean of the Faculty Academic Development Dr. Abdulrageb Alshami Dr. Abdulrageb Alshami Ass. Prof. Dr. Abdu Alraoof

Center & Quality Assurance Ass. Prof. Dr. Huda Al-Emad

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

Al-Shawkany

REPUBLIC OF YEMEN SANA'A UNIVERSITY Faculty Of Veterinary Medicine

Veterinary Medicine Program



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

Other Learning Material: 5-

X.	Course Policies:
1	Class Attendance:
	MANDATORY TO ATTEND ALL COURSE LECTURES

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Faculty Of Veterinary Medicine

Veterinary Medicine Program



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.
	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.

<u>Course Plan of Veterinary Internal Medicine (3)</u>

X Information about Faculty Member Responsible for the Course:							
Name of Faculty Member	Dr. Abdulraqeb Ali Alshami			Office	Hours	1	
Location & Telephone No.	Sana'a Governorate 778466544	SAT	SUN	MON	TUE	WED	THU

Prepared by Dr. Abdulraqeb Alshami	Quality Assurance Unit Dr. Abdulraqeb Alshami	Dean of the Faculty Ass. Prof. Dr. Abdu Alraoof Al-Shawkany	Academic Development Center & Quality Assurance Ass. Prof. Dr. Huda Al- Emad



E-mail	Alshami yat@amail.com	8am	8am	8am	8am	8am	
E-IIIdii	Alshami.vet@gmail.com	2pm	2pm	2pm	2pm	2pm	

KI. (KI. Course Identification and General Information:								
1-	Course Title:	Veterinary Internal Medicine (3)							
2-	Course Number & Code:	IM466							
			C.	н		Tatal			
3-	Credit hours:	Th.	Seminar	Pr.	F. Tr.	Total			
		2	-	1	-	3			
4-	Study level/year at which this course is offered:	Fifth Year - Frist Semester							
5-	Pre –requisite (if any):	IM465							
6-	Co –requisite (if any):	None							
7-	Program (s) in which the course is offered	Bachelor Veterinary Medicine							
8-	Language of teaching the course:	English language							
9-	System of Study:	Regular / Semesters							
10-	Mode of delivery:		Lecture	es and Pra	ctical				
11-	Location of teaching the course:	Fac	ulty of Veter	inary Med	licine Buil	ding			

Course Description: 11.

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

Intended learning outcomes (ILOs) of the course: 11.

After completing this course, students will be able to:

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a1- Illustrate the causes, pathogenesis, clinical symptoms, diagnosis, treatment and prognosis of metabolic, nutritional deficiencies and mammary

glands diseases .

a2- Describe appropriate measures for health promotion as well as prevention of diseases in animals.

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

b2- Analyzes the results of laboratory diagnosis and writes prescriptions for all common diseased cases.

c1- Apply different techniques for diagnosis diseased animals and perform differentiating between similar diseases.

c2- Perform an adequate clinical examination for diseased animal and identify deviations from normal.

d1- Communicate effectively with logistic & working teams and scientifically discuss in scientific manner in scientific discussions and meetings.

d2- Continue to self-learn and transcribe data to highlighted or solve problematic situation with fast response and write report on specific scientific related subject to the course.

Х.	Course	Content:

Α-	Theor	etical	Asp	ect:
	111001	Clical	- JP	

Order	Topics List	Week Due	Contact Hours
	Diseases of the newborn:	1	2
1	 Perinatal and postnatal diseases Congenital defects 	1	2

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Faculty Of Veterinary Medicine

Veterinary Medicine Program



	- Physical and environmental causes of perinatal disease		
	- Neonatal infection		
2	Metabolic diseases: - Milk fever - Downer cow syndrome - Hypomegnesemic tetanies - Ketosis - Pregnancy toxemia - Postparturient hemoglubinuria - Azoturia	2,3,4,5,6	10
3	Diseases of the mammary glands: -Bovine mastitis -Mastitis of sheep -Mastitis of goats	7	2
4	Mid-Term Exam	8	2
5	 Diseases caused by nutritional deficiencies: Deficiency of vitamin A, E and selenium and D Deficiency of copper, iodine and zinc Deficiency of calcium, magnesium and phosphorus Deficiency of vitamin C and manganese Deficiency of thiamin, B12, ribolavin and cholline 	9,10,11,12,13	10
6	Diseases caused by poisonous materials : Diseases associated with toxins in plants, fungi, cyanobacteria, clavibacteria, insects and animals	14,15	4
7	Final Exam	16	2
	Number of Weeks /and Units Per Semester	16	32

b- Training Aspect:				
Order	Training Tasks	Week Due	Contact hours	
1	Newborn diseases (cases, how to examine and treat)	1	2	

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2	Metabolic diseases (cases, how to examine and treat)	2,3,4,5,6	10
3	Diseases of the mammary gland (cases, how to examine and treat)	7	2
4	Mid-Term Exam	8	2
5	Diseases caused by nutritional deficiencies (cases, how to examine and treat)	9,10,11,12,13	10
6	Diseases caused by poisonous materials (cases, how to examine and treat)	14,15	4
7	Final Exam	16	2
	Number of Weeks /and Units Per Semester	16	32

Teaching strategies of the course: KI.

- 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)

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II. Assessme	ent Methods:				
-Written exam					
-Practical exam					
-Oral exam					
-Quizzes					
- Report assign	iments				
- 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	15	10	10%	
5	Oral Exam	16	5	5%	
	Final Exam	16	55	55%	

Total

quired T	extbook(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.

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	• Radostitis O.M., Gay C.C., Hinchcliff K. W. and Constable P. D. (2007): Veterinary Medici				
	textbook of the diseases of cattle, horses, sheep, pigs and goats 10 th Ed. Baillere Tindall, Lond				
	• Smith, B.P (2002): Large animal internal medicine, third ed., Mosby, St 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>				
	<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.				
	<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-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.				
	 <u>American Association of Small Ruminant Practitioners</u> Animal Disease Information 				
	• <u>Animal Disease information</u> 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.				
	• <u>Cattle Diseases</u>				
	University of Nebraska - NU Institute of Agriculture and Natural Resources				
	Large Animal Veterinary Rounds				

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Faculty Of Veterinary Medicine

Veterinary Medicine Program



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
- <u>Livestock Library</u>

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:
	5. All devices must be on silent or at least on vibration during lectures/labs.
	6. Before any exam (written, practical, oral) student's identity will be checked (student's
Drot	pared by Quality Assurance Unit Dean of the Faculty Academic Development

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Dr. Abdulraqeb Alshami	Dr. Abdulraqeb Alshami	Ass. Prof. Dr. Abdu Alraoof	Center & Quality
		Al-Shawkany	Assurance
			Ass. Prof. Dr. Huda Al-

Emad



card, ID, passport). Without any of these documents, the student will not be allowed in the exam room.

- 7. Any of type/ form of cheating is not allowed no matter what.
- 8. Maintain silence during lectures and disturbance is not allowed.

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