

# SULTAN QABOOS UNIVERSITY

## **COURSE OUTLINE**

### **PROGRAM:**

1. Course Code	ANVS4112					
2. Course Title	Diseases	Diseases of Large Animals				
3. Credits	3 CH, 12	3 CH, 12 CP, 6 ECTS				
4. Pre-requisite Course(s)	BIOL21	01				
5. Co-requisite Course(s)						
6. Equivalent Course(s)						
7. Incompatible Course(s)						
8. Course Category	🗌 Univ	University Requirement University Elective				
		ege Requirement	College Elective			
	🛛 Depa	rtment Requirement	Department Elective			
	Spec	ialization Requirement	Specialization Elective			
	🗌 Othe	r (specify):				
9. Course Owner	College:	CAMS	Department: AVS			
10. Course Type	🛛 Lecti	ıre	Lecture/Lab			
	Lectu	ıre/Seminar	Lecture/Studio			
	🗌 Lecti	ıre/Tutorial	Lecture/Lab/Tutorial or Seminar			
	Tuto:	rial	Laboratory (Practical)			
	🛛 Field	or Work Placement	Studio			
Se Se		nar	🗌 Internship			
		rshop	Project			
11. Language of Instruction	<b>11. Language of Instruction</b> English					
12. Course Description						
This course provides students with opportunities to learn about the role of veterinary technologists in the management of large animal health problems, opportunities to develop technical skills in clinical examination, collection of diagnostic samples and therapeutic and medication procedures in large animals. The focus of the lectures is on the common infectious and metabolic diseases of bovine, equine, ovine and caprine species. The lecture material will be supported by the delivery of practicals that allow the student to perform a physical examination (horses and ruminants), diagnostic sampling and medical procedures and sample collection. Field trips to large animal clinics will be part of the course to expose students to allow the students to interact with owners and veterinarians.						
13. Teaching/Learning Strategies						
Lectures, practical and field trips. Student will be required to conduct presentations related to the learned topics.						
14. Assessment Components and Weight [%]						
Quizzes 10		⊠ Practical 5	$\bigtriangleup$ Other (specify): Presentations 5			
Homework assignments		Project				
⊠ In-term examination(s) 40 ⊠ Final examination 40						
15. Grading Method						
⊠ A-F Scale □ Pass/Not passed						
16. Textbook(s) and Supplemental Material						
The Merck Veterinary Manual						

17. Matching Course Objectives with Program Outcomes and SQU Graduate Attributes

	SQU Graduate Attributes					
A.	SQU graduates should be able to:	В.	SQU graduates possess	C.	SQU graduates should	
1.	apply the knowledge and skills relevant to the specialization	1.	interpersonal communication skills and alignment with culture of international		relish good citizenship qualities, be conscious	
2.	communicate effectively and use information and communication technologies	2.	labour market to assist them in practical life and in living successfully skills and motivation for independent		of their national identity and be socially responsible, engage in	
3.	critically analyze complex information and present it in simple		learning and engagement in lifelong learning and research		community affairs and be mindful of	
	clear manner	3. 4.	work ethics and positive values, and intellectual independence and autonomy teamwork skills and display potential leadership qualities		contemporary issues.	

#	Intended Student Learning Outcome /Course Learning Objective	Relevant Program Outcome(s)	Applicable Attribute(s)
1.	Assess the general health condition of bovine and equine species	B-Demonstrate knowledge of animal health and disease control.	A1, B3
2.	Collect the case history and relevant informations from the owners for proper diagnosis and treatment.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
3.	Use the thermometer and stethoscope to evaluate the animal vital signs (TPR)	B-Demonstrate knowledge of animal health and disease control.	A1, B3
4.	Identify different diseases of the gastrointestinal tract of bovine, equine, camelin, and ovine specise.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
5.	Identify different diseases of the respiratory tract of bovine, equine, camelin, ovine and caprine specise.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
6.	Identify different diseases of the nervouse system of bovine, equine, camelin, and caprine specise.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
7.	Identify different diseases of the skin of bovine, equine, camelin, ovine and caprine specise.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
8.	Identify different metabolic diseases different of bovine, equine, camelin, ovine and caprine specise.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
9.	Predict the outcome of each disease and judge the value of applying medication.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
10.	Apply the proper methods for diagnosis, treatment and prevention of the disease.	B-Demonstrate knowledge of animal health and disease control.	A1, B3
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#### **16. Student Responsibilities**

It is the student's responsibility to know and comply with all University Academic Regulations relevant to participation in this course. These regulations specifically include attendance requirement and students` academic code of conduct.

For attendance, it is the student's responsibility to be punctual and to attend all classes.

Students are expected to perform their work with honesty and avoid any academic misconduct, which is defined as the use of any dishonest or deceitful means to gain some academic advantage or benefit. This can take many forms, including but not limited to, the following: copying, plagiarism, collusion and forging documents. For full details, please refer to the Undergraduate Academic Regulations and to the Student Academic Misconduct Policy.

Additionally, this course requires that you:

COURSE INFORMATION					
Course Code	ANVS4112	Course Title	Diseases of Large Animals		
Semester/ Year	Fall	Section(s)			
Day, Time, and Place					
Course Coordinator Elshafie I Elshafie					
Office Location		Office Hours	Posted		
Office Tel. Ext.		Email			

Tentative Schedule						
Week	Lecture #	Topic/Material to be covered	Assessment			
1	1	Introduction: Course outline				
2	2	Physical examination: Temprature, Pulse and respiratory rate (TPR)				
3	3	Physical exmaintion: Lymphnodes				
4	4	Physical examination: Auscaultation, percussion and sinuses examination.				
5	5	Physical examination: Digestive tract, respiratory tract, locomotor system				
6	6	Diseases of the gastrointestinal tract - Viral diseases (PPR, BTV, RP, FMD, BVDV)				
7		==First Midterm Exam==				
8	7	Diseases of the gastrointestinal tract - Bacterial diseases (Paratuberculosis, Salmonella, E. coli, Closteridial diseases)				
9	8	Diseases of the respiratory system (CCPP, CBPP, Shipping fever, Anthrax)				
10	9	Diseases of the skin (Pox, LSD, ORF)				
11	10	Diseases of the skin (Pox, Dermatophytosis, Dermatophilosis, bacterial, parasitic)				
12	11	Diseases of Central Nervous system (Rabies, Listeriosis,				
13		==Second Midterm Exam==				
14	12	Deficiencies and metabolic Diseases (Bloat, milk fever, impaction, Vit. E Selenium, cobalt)				
15	13	Miscellaneous (Basbesiosis, theileriosis, Traumatic retuculitis)				
16						
17						

APPENDIX A: INSTRUCTORS OF MULTIPLE SECTIONS						
Section	Instructor	Day, Time, and Place	Office Location and Extension	Email	Office Hours	

## APPENDIX B: ADDITIONAL INFORMATION