



University of Sadat City
Faculty of Veterinary Medicine
Dept. of Medicine and Infectious Diseases
(2014-2015)



Camel Infectious Diseases

(7٣2M)

MVSc COURSE SPECIFICATION

A. BASIC INFORMATION

University:	Sadat City
Faculty:	Veterinary Medicine
Program on which the course is given:	MVSc in Veterinary Medical Sciences (Infectious Diseases)
Department offering the Course:	Medicine and Infectious Diseases
Course code:	732M
Course title:	Camel Infectious Diseases
Lecture (hr/week):	2
Practical (hr/week):	2
Course coordinator:	Dr. Akram Salama .

B. PROFESSIONAL INFORMATION

1) Overall aims of course

Upon successful completion of the course, the student will be able to
Diagnose, treat infectious diseases.

2) Intended learning outcomes of course (ILOs)

a) KNOWLEDGE AND UNDERSTANDING

By the end of this course, the graduate should be able to:

- a.1. Realize the different causes of infectious diseases in camel.
- a.2. Be aware with clinical picture of camel infectious diseases.
- a.3. Explain the pathogenesis of Camel infectious diseases.
- a.4. Recognize different methods of diagnosis, treatment and control of camel infectious diseases.

b) INTELLECTUAL SKILLS

By the end of this course, the student should be able to:

- b.1. Differentiate between different infectious diseases of camel.
- b.2. Select the most suitable and economic line of treatment.
- b.3. Write and evaluate clinical reports about camel infectious diseases.
- b.4. Plan a schedule for vaccination against infectious disease.

c) PROFESSIONAL AND PRACTICAL SKILLS

By the end of this course, the student should be able to:

- c.1. Perform clinical examination and proper sampling from diseased camel.
- c.2. Master basic laboratory skills for diagnosis of camel bacterial, mycotic, parasitic and viral diseases.
- c.3. Apply basic molecular and serological techniques for diagnosis of camel infectious diseases.
- c.4. Apply prevention and control strategy for camel infectious diseases

d) GENERAL AND TRANSFERABLE SKILL

By the end of this course, the student should be able to:

- d.1. Manage scientific meetings and time.
- d.2. Manage research teams in the field of infectious diseases
- d.3. Involve in self and continuous learning.
- d.4. Communicate effectively.

3) Topics and contents

Topic	No. of hours		
	Lectures	Practical	Total
1- Introduction and common term.	4	-	4
2- Bacterial and mycotic diseases of camel.	36		36
3- Viral diseases of camel.	28	-	28
4- Parasitic diseases of camel.	20	-	20

5. Sampling and primary examination of animals	-	10	10
6. Molecular tests for diagnosis of camel viral, bacterial and parasitic diseases.	-	20	20
7. Serological diagnosis of camel infectious diseases.	-	20	20
8. Allergic tests.	-	18	18
9- Treatment and vaccination of camel infectious diseases	-	20	20
	88	88	176

4) Teaching and learning methods

- 4.1. Lectures.
- 4.2. Practical.
- 4.3. Self-learning activities.

5) Student assessment

a. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills
2- Practical examination	For assessment of practical and professional skill.
3- Oral examination	For assessment of knowledge and Intellectual skills
4- Student activities	For assessment of knowledge and general and transferable skills

b. MATRIX ALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

	K.U (a)	I.S (b)	P.P.S (c)	G.S (d)
Written exam	a1-4	b1,2		
Practical exam		b1,3,4	c1-4	
Oral exam	a1-3	b1,2,4		
Student activities (assay, seminar, etc.)				1-4

c. WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
Final written exam	50%	Marked and signed written paper
Practical exam	50%	Marked and signed practical exam paper
Oral exam		Signed list of oral exam marks
Student activities		Assay, presentations, discussions, review

6) List of references

6.1. Essential textbooks

Infectious Diseases in Camelids: U. Wernery, O. R. Kaaden. 2ed edition, Wiley-Blackwell, 2002

Recommended texts

- *A field manual of camel diseases: traditional and modern health care for the dromedary*: Köhler-Rollefson, I.; Mundy, P.; Mathias, E. ITDG Publishing, 2001.
- *Medicine and Surgery of Camelids*: Murray E. Fowler, 3 edition. Wiley-Blackwell; 2010

6.3. Periodicals and Web sites

-) Journal of infectious diseases.
-) Emerging Infectious Diseases
-) Journal of Camel Practice and Research
-) Journal of Camel Science
-) IVIS
-) PubMed

7) Facilities required for teaching and learning

- 7.1 Data-show.
- 7.2 Camel for clinical diagnosis.
- 7.3 Network for technology transfer.
- 7.4 Binocular Microscope for parasitic and Microbial identification.
- 7.5 Computer.

	Course coordinators	Head of department
Name	Dr. Akram Salama	Prof. Dr. Ahmed Zaghawa
Signature		

Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours	Hours for Lect.	Hours for Pract.	ILOs			
	Lect.	Pract.				K.U	I.S	P.P.S	G.T.S
						(a)	(b)	(c)	(d)
1- Introduction and common term.	2	-	4	4		1	1		1-4
2- Bacterial and mycotic diseases of camel.	2	-	36	36		1-4	1-4		1-4
3- Viral diseases of camel.	2	-	28	28		1-4	1-4		1-4
4- Parasitic diseases of camel	2	-	20	20		1-4	1-4		1-4
5. Sampling and primary examination of animals		2	10		10			1	1-4
6. Molecular tests for diagnosis of camel viral, bacterial and parasitic diseases.		2	20		20			2,3	1-4
7. Serological diagnosis of camel infectious diseases.		2	20		20			2,3	1-4
8. Allergic tests.		2	18		18			1,3	1-4
9- Treatment and vaccination of camel infectious diseases		2	20		20			4	1-4
Total			176	88	88				