Pet Animal Infectious Diseases (734M)

MVSc COURSE SPECIFICATION

A. BASIC INFORMATION

University:	**Sadat City**
Faculty:	**Veterinary Medicine**
Program on which the course is given:	**Master in Veterinary Medical Sciences (Infectious Diseases)**
Department offering the Course:	**Medicine and Infectious Diseases**
Course code:	**734M**
Course title:	**Pet Animal Infectious Diseases**
Lecture (hr/week):	**2**
Practical (hr/week):	**2**
Course coordinator:	**Prof. Dr. Ahmed Zaghawa**

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 pet animals.
a.2. Be aware with clinical picture of pet animals infectious diseases.
a.3. Explain the pathogenesis of Pet animals infectious diseases.
a.4. Recognize different methods of diagnosis, treatment and control of pet animals 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 pet animals.
b.2. Select the most suitable and economic line of treatment.
b.3. Write and evaluate clinical reports about pet animals 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 pet animals.
c.2. Master basic laboratory skills for diagnosis of pet animals bacterial, mycotic, parasitic and viral diseases.
c.3. Apply basic molecular and serological techniques for diagnosis of pet animals infectious diseases.
c.4. Apply prevention and control strategy for pet animals infectious diseases

a) 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 pet animals.	**36**	**-**	**36**
3- Viral diseases of pet animals.	**28**	**-**	**28**
4- Parasitic diseases of pet animals.	**20**	**-**	**20**

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

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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 of the Dog and Cat. Greene. 3rd Edition. Saunders, 2006

Recommended texts

Shelter Medicine for Veterinarians and Staff by Lila Miller, Stephen Zawistowski, 1 edition, Wiley-Blackwell; 2004
Infectious Disease Management in Animal Shelters. Lila Miller, Kate Hurley, 1 edition, Wiley-Blackwell, 2009

6.3. Periodicals and Web sites

- Journal of infectious diseases.
- Emerging Infectious Diseases
- IVIS
- PubMed

Science direct

7) Science direct **Facilities required for teaching and learning**

7.1 Data-show.
7.2 Pet animals 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	Prof. Dr. Ahmed Zaghawa	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 (a)	I.S (b)	P.P.S (c)	G.T.S (d)
1- Introduction and common term.	2	-	4	4		1	1		1-4
2- Bacterial and mycotic diseases of pet animals.	2	-	36	36		1-4	1-4		1-4
3- Viral diseases of pet animals.	2	-	28	28		1-4	1-4		1-4
4- Parasitic diseases of pet animals	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 pet animals viral, bacterial and parasitic diseases.		2	20		20			2,3	1-4
7. Serological diagnosis of pet animals infectious diseases.		2	20		20			2,3	1-4
8. Allergic tests.		2	18		18			1,3	1-4
9- Treatment and vaccination of pet animals infectious diseases		2	20		20			4	1-4
Total			176	88	88				