

Specification for infectious diseases of equine, camel & pets course 2019/2020

A-Affiliation

1.	Relevant program	Bachelor of Veterinary Medical Science (BVMSc)
2.	Department offering the course	Animal medicine

Date of specification approval: ministerial decree No. 1727 on 26/4/2017
(Approved in this template by the department council on 1/10/2019)

B-Basic information

1.	Course title	Infectious diseases Equine, Camel & Pets
2.	Course code	508 (A) I
3.	Level	5 th year
4.	Semester	1 st semester
5.	Total hours	6
6.	Lecture hours	3
7.	Practical hours	3

C-Professional Information

1- Course learning objectives

The aim of this course is to provide basic veterinary education in the field of infectious diseases (horses, donkeys, mules, beside foals, camels, dogs and cats) to enable students to gain skills and ability to deal with etiology, accurate field & laboratory diagnosis, differential diagnosis, treatment & control of such diseases. Moreover, understanding the epidemiology of infectious diseases to reach a correct diagnosis and how to deal with a clinical case and plan the specific measures to control outbreaks in the field and awareness of zoonotic importance of some infectious diseases affecting such animals (Zoonotic diseases).

2- Intended learning outcomes of the course (ILOs):

a- Knowledge and understanding

After successful completion of the course the students should be able to:

- a1 -Identify the nature of infectious diseases of horses, donkeys, mules, foals, camels and pets infectious diseases.
- a2 -Define the various infectious etiological determinants and their pathogenesis
- a3- Mention specific epidemiological pattern of all animals infectious diseases -
- a4-Describe different clinical manifestations and macroscopic pathological lesions

- a5-Summarize the most appropriate aids in diagnosis and differential diagnosis of the diseases
a6-Approach the ideal therapy and accurate measures for control of all infectious diseases

b- Intellectual skills

After successful completion of the course the students should be able to:

- b1- Asses the skills of appropriate moment to take samples for diagnosis.
b2- Analyze the appropriate tools for diagnosis and judge the skills of reading and interpretation the results.
b3 -Enhance the ability to differentiate between infectious diseases and using chemotherapeutic agents of choice.
b4-Create the ability to take a final decision in dealing with infectious disease epidemic and solving the field problems

c- Professional and practical skills

After successful completion of the course the students should be able to:

- c1-Obtain a history of animal cases (either individual or in herd) taking in the clinic.
c2-Perform clinical examination and do collections of samples for laboratory diagnosis.
c3-Use different diagnostic tools in diagnosis of infectious diseases (Field one) and interpret the common clinical and laboratory diagnostic procedures.
c4-Perform differentiation between infectious diseases.
c5-Manage and control the epidemics and solve the field problem in relation to animal and public health aspect
c6-Write a report about animal biosecurity
c7-Use the early warning system for early diagnosis of infectious diseases.
c8-Treat the epidemiological information of OIE and other global animal health organization in diseases diagnosis & control
c9-Provide emergency care to all species of animals
c10-Pronounce the risk of contamination, cross infection and predisposing factors for diseases
c11-Conduct a correct contact with relevant departments and other intended to reach a final correct diagnosis

d- General and transferable skills

After successful completion of the course the students should have the following skills

- d1- Searching skill
d2- Communication skill
d3- Cooperate with other veterinary hospitals, clinics and units in the field.

3- Course contribution in the program ILOs:

Course ILOS	Program ILOS
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A	Knowledge and understanding	a ¹⁰
B	Intellectual skills	b ^{7,12}
C	Professional and practical skills	c ^{3,5}
D	General and transferable skills	d ^{3,6}

3.1- Course contents:

Topic	Lecture hours	Practical hours
Bacterial diseases of horses	5	-
Viral diseases of horses	5	-
Parasitic diseases of horses	2	-
Bacterial diseases of foals	2	-
Viral diseases of foals	2	-
Parasitic diseases of foals	4	-
Bacterial diseases of camels	4	-
Viral diseases of camels	4	-
Parasitic diseases of camels	4	-
Bacterial diseases of canine	4	-
Viral diseases of canine	5	-
Parasitic diseases of canine	4	-
Clinical exam. of equine	-	9
Clinical exam. of camels	-	9
Clinical exam. of canine	-	9
Sampling & Laboratory investigations	-	9
Field allergic diagnosis	-	3
Chemotherapy	-	3
Vaccine & vaccination	-	3
Total	45	45

The midterm and practical exams are included during the semester

3.2- ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Bacterial diseases of horses	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Viral diseases of horses	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Parasitic diseases of horses	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Bacterial	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3

diseases of foals				
Viral diseases of foals	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Parasitic diseases of foals	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Bacterial diseases of camels	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Viral diseases of camels	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Parasitic diseases of camels	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Bacterial diseases of canine	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Viral diseases of canine	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Parasitic diseases of canine	a1,a2,a3	b1,b2,b3,b4	c1,c2,c3,c4,c6,c7,c9,c11	d1,d2,d3
Clinical exam. of equine	a4	b3,b4	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Clinical exam. of camels	a4	b3,b4	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Clinical exam. of canine	a4	b3,b4	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Sampling & Laboratory investigations	a5	b3	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Field allergic diagnosis	a5	b3	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Chemotherapy	a6	b3	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3
Vaccine & vaccination	a6	b4	c5,c6,c7,c8,c9,c10,c11	d1,d2,d3

4- Teaching, learning and assessment methods:

ILOs	Teaching and Learning methods							assessment method					
	L	P&M	D	P	Ps	Bs	Ft	semester	midterm	oral	practical	written	
Knowledge and understanding	a1	x	x	x	0	0	x	0	x	x	x	0	x
	a2	x	x	x	0	0	x	0	x	x	x	0	x
	a3	x	x	x	0	0	x	0	x	x	x	0	x
	a4	x	x	x	0	0	x	0	x	x	x	0	x
	a5	x	x	x	0	0	x	0	x	x	x	0	x
	a6	x	x	x	0	0	x	0	x	x	x	0	x
Attitude	b1	x	x	x	0	x	x	0	x	x	x	0	x

	b2	x	x	x	0	x	x	0	x	x	x	0	x
	b3	x	x	x	0	x	x	x	x	x	x	0	x
	b4	x	x	x	0	x	x	x	x	x	x	0	x
Professional and practical skills	c1	0	x	x	x	x	0	x	x	0	x	x	0
	c2	0	x	x	x	x	0	x	x	0	x	x	0
	c3	0	x	x	x	x	0	x	x	0	x	x	0
	c4	0	x	x	x	x	0	x	x	0	x	x	0
	c5	0	x	x	x	x	0	x	x	0	x	x	0
	c6	0	x	x	x	x	0	x	x	0	x	x	0
	c7	0	x	x	x	x	0	x	x	0	x	x	0
	c8	0	x	x	x	x	0	x	x	0	x	x	0
	c9	0	x	x	x	x	0	x	x	0	x	x	0
	c10	0	x	x	x	x	0	x	x	0	x	x	0
	c11	0	x	x	x	x	0	x	x	0	x	x	0
General skills	d1	x	x	0	0	x	x	0	x	0	x	0	x
	d2	0	0	0	x	0	0	x	x	0	x	x	0
	d3	0	0	x	0	0	0	x	x	0	x	0	0

L :Lecture, P&M: Presentations & Movies, D&S: Discussions & Seminars PT: Practical, Ps: Problem solving, Bs: Brain storming, Ft: field trip

5- Assessment timing and grading:

Assessment method	timing	grade
Mid-term exam and semester work	6 th week	15
Practical exam	14 th week	20
oral exam	End of semester	15
Written exam	End of semester	50
total		100

6- List of references

6.1- Course notes:

Infectious diseases of Equine, Camel & Pets (Canine & Feline) Infectious Diseases for 4th grade students **edited by staff members**

6.2- Essential books (text books)

- Pierre - Charles Lefevre (2010) Infectious and Parasitic Diseases Of Livestock.

6.3- Recommended books

- Course note.
- Pierre - Charles Lefevre (2010) Infectious and Parasitic Diseases Of Livestock.

6.4- Periodicals, Web sites, . . . etc

- Equine Veterinary Journal. Equine Practice.
- American Journal of Veterinary Medical Association
- OIE, FAO, WHO.
- Benha veterinary medical journal
- www.ekb.eg

7- Facilities required for teaching and learning

- Teaching hall (data show, white board).
- Equipped laboratory of veterinary medical diagnosis.
- Samples of veterinary drug and vaccine.
- Veterinary hospital
- Faculty education farm
- Central laboratory

Course coordinator: Prof. Dr. FAISAL KHALIL IBRAHIM HAMODA

Head of department Prof. Dr. FAISAL KHALIL IBRAHIM HAMODA

Signature

Date 1/10/2019

