Equine, Camel & Pets (Canine & Feline) Infectious Diseases

Benha University   **Faculty of veterinary medicine**

Programme(s) on which the course is given   **Bachelor of veterinary medical science**

Department offering the course   **Department of Animal Medicine (Infectious Diseases)**

Academic year / level   **4th year, 2nd semester**

A- Basic Information

Title: **Equine, Camel & Pets (Canine & Feline) Infectious Diseases**

Code: vet 00649

Lecture: 3 hour

Practical: 4 hours   Total: 7 hours

B- Professional Information

1- Overall aims of course

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 cases 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:

al –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:
bl- 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:
cl-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

dl-Able to be a fruitful member in a group, able to give hand at any time.

d2-Ability to cooperate with other colleagues in veterinary field.

d3-Able to give scientific advice to other veterinarians.

3- Contents

Topic	Practical	Lecture	Total
Bacterial diseases of horses	-	5	5
Viral diseases of horses	-	5	5
Parasitic diseases of horses	-	2	2
Bacterial diseases of foals	-	2	2
Viral diseases of foals	-	2	2
Parasitic diseases of foals	-	4	4
Bacterial diseases of camels	-	3	3
Viral diseases of camels	-	4	4
Parasitic diseases of camels	-	4	4
Bacterial diseases of canine	-	4	4
Viral diseases of canine	-	5	5
Parasitic diseases of canine	-	5	5
Clinical exam. of equine	12	-	12
Clinical exam. of camels	12	-	12
Clinical exam. of canine	12	-	12
Sampling & Laboratory investigations	6	-	6
Field allergic diagnosis	6	-	6
Chemotherapy	6	-	6
Vaccine & vaccination	6	-	6
Total	**60**	**45**	**105**

4- Teaching and learning methods

4.1-Demonstration of diagnostic tools

4.2-Horses, donkeys, camels, dogs & cats admitted to the clinic in veterinary hospital.

4.3-CD's slides photos, and video tapes in lectures & practical classes.

4.4-During the course, field visits to Al-Zahraa Arabian Horse Stud and Police Academy for Breeding Dogs.

5- Student assessment methods

5.1- Practical examination to assess professional and practical skills.

5.2 -0ral examination to assess knowledge and information and intellectual skills

5.3- Written examination to assess knowledge, information& intellectual skills.

5.4- Assignment to assess management of clinical cases.

5.5- Research on current infectious diseases of equine, camel & canine.

Assessment schedule

Assessment 1: Mid term exam.   Week 7 Assessment
2: Practical exam.   Week 11 Assessment
3: Final term exam.   Week 12
Assessment 4: 0ral exam.   Week 12

Weighting of assessments :

Mid term Examination	10
Final- term examination	50
Oral examination	10
Practical examination	15
Semester Work	5
Other types of assessment	10
Total	**100**

6- List of references

6.1- Course notes

Infectious diseases of Equine, Camel & Pets (Canine & Feline) Infectious Diseases for 4th grade students.

6.2- Essential books (text books)

- Clinical diagnosis of equine,
- Infectious diseases of dogs & cats

- Veterinary Medicine A textbook of the diseases of cattle, sheep, pigs, goats and horses".9 th Edit.
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6.3- Recommended books

- Infectious diseases of camels,

- Equine diseases

6.4- Periodicals, Web Sites, ... etc

- Equine Veterinary Journal. Equine Practice.

- American Journal of Veterinary Medical Association.

- American Journal of Veterinary Research. Veterinary Record.

- OIE, FAO, WHO

7- Facilities required for teaching and learning

- This course must be extended for two semesters to be in parallel with medicine course (required).

- Multimedia & a computer laboratory (required).

- Camel calves (2 animals required).

- Binocular microscope with camera (required).

- Microscope with dark -field illumination (required).

- Glass ware, disposable syringes with needles, vacutainers (required).

- Samples of vaccines & chemotherapeutic agents used in the local market.

Course coordinator:

Professor Dr. Faisal Khalil Ibrahim Hamoda

Head of department:

Professor Dr. Faisal Khalil Ibrahim Hamoda

Date: