



## Course specification

### AA1-Basic information

<b>Course Code:</b>	<b>INF:5276</b>
<b>Course title:</b>	Infectious diseases, part 111
<b>Academic year:</b>	5 <sup>th</sup> academic year 2020- 2021, second term
<b>Program title:</b>	B. Sc. Veterinary Medical sciences
<b>Contact hours/ week</b>	4 hours/week, (2 Lect./week, 2 Practical/week)
<b>Approval Date</b>	

### 2-Professional information

#### Overall aims of course:

#### This course aims to:

1. Provide graduates with professional and good veterinary practices concerning diagnosis and control programs to be competent and participate efficiently in the labor market.
2. Support the basic knowledge of etiology, epizootiology, clinical signs, and diagnosis and control measures of different infectious diseases of sheep, equines and pets.
3. Outline the nature of microbial pathogenesis.
4. Deal with field problems of animal infectious diseases.
5. Apply and demonstrate an understanding of basic control and management procedures including isolation, quarantine and disinfection.
6. Gain skills and ability to deal with field differential diagnosis of infectious diseases.

### 3- Intended learning outcomes of course (ILOs)

#### A-Knowledge and understanding:

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

**a1-** Explain the basic terms and methods used in infectious disease epidemiology, disease prevention and control trials, outbreak investigation, and evaluation of screening tests;

**a2-** Define epidemiologic approaches of disease occurrence in communities: determinants,



## Course specification

distribution and dynamics including prevention and control.

a3- Identify the basic knowledge about etiological agents of different infectious diseases of animal origin.

a4- define the infectious disease determinants (Agent-Host Environment), gradient of infection and infection chain.

a5- describe the pathogenesis of different infectious diseases of sheep, equines and pets.

a6- list the major field problems concerned with infectious diseases of sheep, equines and pets.

a7- Identify the important aspects regarding the diagnosis of different infectious diseases of sheep, equines and pets.

a8- mention the basic knowledge about the control measures of different infectious diseases of sheep, equines and pets.

### **B- Intellectual skills**

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

b1-Differentiate the infectious cycle of different infectious diseases to suggest the priority of elimination of selected communicable diseases.

b2- analyze the field problems to reach a preliminary diagnosis.

b3- Interpret the available epidemiological and clinical data to achieve diagnosis.

b4- suggest the suitable solutions in individual cases and outbreaks.

b5- estimate the economic impact of different epidemics.

b6- enhance the ability in decision making about the control measures and solving the field problem.

b7- differentiate between infection status and infectious disease.

b8- recall and integrate the basic knowledge to take a final decision in dealing with different epizootics.

### **C-Professional and practical skills**

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

c1- Apply epidemiologic skills in outbreaks investigation.



## Course specification

- c2- obtain a history of farm epizootics.
- c3- perform the different methods and techniques of clinical examination.
- c4- Perform the different sampling methods.
- c5- use different diagnostic tools in diagnosis of infectious diseases and interpret the common clinical and laboratory diagnostic outcome.
- c6- practice the experience of using the traditional and to certain extent the sophisticated methods of laboratory diagnosis.
- c7- acquire the experience of planning and application of a control programs.

### **D-General and transferable skills**

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

- d1-enhance the skills of problem definition and how to deal with it.
- d2-enhance skills of epizootiological data analysis, and clinical and laboratory examinations.
- d3- work effectively as a part of a team, demonstrating decision making and time management.
- d4- enhance the experience of taking history in infected farms and increase the ability of organizing control programs.
- d5- collect the data of diseased animals in a suitable manner.
- D6- demonstrate oral and written communication skills with staff.

### **4-Topics and contents**

Course	Topic	No. of hours	No. of hours (Lectures)	No. of hours (Practical)
5th academic year- second term infectious disease	<b>Infectious diseases of sheep and goats</b> <ul style="list-style-type: none"> <li>• bacterial diseases</li> <li>• viral diseases</li> </ul>	24	12	12
	<b>Infectious diseases of equine</b>	28	14	14



## Course specification

	<ul style="list-style-type: none"> <li>• bacterial diseases</li> <li>• viral diseases</li> <li>• Parasitic diseases</li> </ul>			
	<b>Infectious diseases of pet animals</b> <ul style="list-style-type: none"> <li>• bacterial diseases</li> <li>• viral diseases</li> <li>• Parasitic diseases</li> </ul>	16	8	8
		68	34	34

### 5-Teaching and learning methods

5.1- Lectures and oral presentations

5.2- Clinical sections, clinical skills training and laboratory practicals

5.3- The use of multimedia aids e.g. slide projector, data show, video tapes.

5.4- Campaigns and field trips which organized by the Department and the Faculty for serving the surrounding society and applied teaching for students.

5.5- Summer training organized by the Department and the Faculty.

### 6-Teaching and learning methods for the students with disabilities

Office hours.

### 7-Student assessment

7.1. Assessments methods:

Method	Matrix alignment of the measured ILOs/ Assessments methods			
	K&U	I.S	P&P.S	G.S
Final Exam	1,2,3,4,5,6,7,8	2,3,5,6,7	6	1
Practical Exam	1	3	2, 4,5	1,2
Oral Exam	1,2,3,4,5,6	3,5		1,2

7.2. Assessment schedules/semester:



## Course specification

Method	Week(s)
Practical exams	14 <sup>th</sup> week
Final exams	managed by administrations
Oral Exam	managed by administrations
Student activities	Along the course (seminars in groups)

### 7.3. Weight of assessments:

Assessment	Weight of assessment
Practical exams	20%
Final exams	50%
Oral Exam	20%
Student activities	10%
Total	100%

## 8- List of references

### 8.1. Notes and books

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2015) 3<sup>th</sup> Ed.

### 8.2. Essential books:

- Veterinary medicine 7<sup>th</sup> ed (A text book of the diseases of cattle, sheep, pigs, goats and horses) 1983.

- Veterinary clinical diagnosis 3<sup>th</sup> Ed. 1984

- Diseases of sheep 2<sup>nd</sup> Ed. 1982

- Infectious diseases of domestic animals (2004/1588) by H.I.Hosein (2015) 3<sup>th</sup> Ed.

### 8.3. Recommended texts

- The Merck veterinary manual 9<sup>th</sup> 2005

- A color atlas of small animal dermatology 1985

### 8.4. Journals, Websites .....etc

#### Journals:



Beni-Suef University  
Faculty of Veterinary Medicine



## **Course specification**

Journal of Veterinary Science  
Research in Veterinary Science  
Preventive Veterinary Medicine  
Veterinary journal  
Journal of Veterinary Diagnostic Investigation

### **Websites:**

- 1-www.google.com
- 2-www.OIE
- 3-www.FAO
- 4-www.Canine web sites

### **Course Coordinators**

Dr. Sherin Reda Rouby

### **Head of Department**

Dr. Hosein Abd Al Aal



## Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
Infectious diseases of sheep and goat -bacterial diseases -viral diseases	1,2,3,4,5	1,4,5	2,3, 7	1, ,6	1,2
Infectious diseases of equine -bacterial diseases -viral diseases -Parasitic diseases	,6,7,,8,9	2,3,4	1,2,3,6	1, 6	1,2
Infectious diseases of pet animals -bacterial diseases -viral diseases -Parasitic diseases	10,11,12, 13, 14,15	1,2,5	1, 5		

