



Course specification Zoonoses (second term)

1-Basic information

Course Code:	Zoo:5277
Course title :	Zoonoses (part II)
Academic year:	5 th academic year
Program title:	B. Sc. Veterinary Medical Sciences
Contact hours/ week	3 hours/week, (2 Lect./week- 1 practical)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to: give students clear knowledge about viral, parasitic, prion and mycotic zoonotic diseases, their impact and the importance of one health concept during dealing with animals and environment and state different means for diagnosis and control of these zoonotic diseases.

3- Intended learning outcomes of course (ILOs)

a-Knowledge and understanding:

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

- a.1. Recognize definition, etiology and occurrence of viral, parasitic, prion and mycotic zoonoses and specify the transmission mechanisms of zoonotic agents from animals to man.
- a.2. Identify the factors necessary for producing infection of such zoonoses in human populations & delineate the control strategies applicable to prevent the spread of zoonoses.
- a.3. Describe the role played by the different species of domestic and wild animals and birds, the aquatic life and arthropod vectors in the epidemiology of such zoonoses and outline new zoonoses including those emerging and reemerging ones.

b-Intellectual skills

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

- b.1. Relate the characteristic clinical picture of different studied zoonotic diseases in animal and humans.
- b.2. Differentiate the emerging zoonoses of viral, parasitic, prion or mycotic nature and be aware of the measures of their prevention and eradication.

c-Professional and practical skills

- c.1. Write a report on specific problems of possible zoonotic origin via analysis of case reports.
- c.2. Demonstrate photos of some lesions of selected zoonoses.
- c.3. Demonstration of some lab. tests related to specific zoonotic diseases.



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d-General and transferable skills

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

- d1- Work in a group and manage time in certain tasks.
- d2- Use different available resources for efficient obtaining of knowledge and information.
- d3- Continuous interaction with the surrounding friends in the field concerning the new emerging zoonotic diseases in our country.

4-Topics and contents

Course	Topic	week	No. of hours	Lectures	Practical
5th year-Second term Zoonoses (Lec. 2 h./week)	1-Viral Zoonoses	1,2,3,4,5	15	10	5
	2-Prion Diseases	6	3	2	1
	3-Parasitic Zoonoses				
	-Nematodiasis	7	3	2	1
	-Cestodiasis	8	3	2	1
	-Trematodiasis& Arthropod Zoonoses	9	3	2	1
	-Potozoal Zoonoses	10,11	6	4	2
	4-Mycotic Zoonoses	12,13	6	4	2
Total			39	26	13

5-Teaching and learning methods

- 5.1- Lectures using board, data shows and multimedia.
- 5.2-brain storm.
- 5.3- discussions.
- 5.4- Self learning by preparing essays and presentations on specific titles to each group using computer researches and faculty library.

6-Teaching and learning methods for the students with disabilities

- Not applicable.



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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
Written Exam	a1,a2,a3	b1,b2		
Practical exam			c1,c2,c3	
Oral Exam	a1,a2,a3	b1,b2	c1,c2,c3	d1,d2,d3

7.2. Assessment schedules/semester:

Method	Week(s)
Practical exam	14 th
Written exams	14 th
Oral Exam	14 th

7.3. Weight of assessments:

Assessment	Weight of assessment
Written exams	25
Practical exam	10
Oral exam	10
Student activities	5
Total	50

8- List of references

8.1. Notes and books

-Hand outs

8.2. Essential books:

-Understanding zoonotic diseases. (Romich, J.A) Thomson Delmar Learning, Australia, Brazil and USA. 2008.

-Zoonoses, Biology, Clinical Practice, and Public Health Control (Eds Palmer, S.R.; Soulsby, L. and Simpson, D.I.H.) Oxford Univ. Press, Oxford. 1998.

*These books are available in the library of Faculty of Veterinary Medicine, Beni-Suef.

8.3. Recommended books

- Public Health and Preventive Medicine (Eds Robert B. Wallace and Bradley N. Doebbeling) Appleton & Lange A. Simmon & Schuster, USA, 1993.

- Zoonoses (Ed Martin Shakespeare) 2nd Edition, Pharmaceutical Press, London, 2009.

*These books are available in the library of faculty of veterinary medicine.

8.4. Journals, Websites etc

Journals:



Beni-Suef University
Faculty of Veterinary Medicine



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Zoonoses and public health
International journal of zoonoses
Vector-borne and zoonotic disease
Global Veterinaria
Journal of food science

Websites:

-<http://www.WHO.int/en/>
-<http://www.CDC.com/>
-<http://www.OIE.com>



Course specification

Topic	Week	Intended learning outcomes of course (ILOs)			
		K&U (a)	I.S (b)	P.P.S (c)	G.T.S (d)
1-Viral Zoonoses	1,2,3,4,5	a 1,, a 2,a3	b1,b2	c1,c2,c3	d1,d2,d3
2-Prion Diseases	6	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
3-Parasitic Zoonoses					
-Nematodiasis	7	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
-Cestodiasis	8	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
-Trematodiasis& Arthropod Zoonoses	9	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
-Potozoal Zoonoses	10,11	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
		a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3
Mycotic Zoonoses	12,13	a 1, a 2, a 3	b1,b2	c1,c2,c3	d1,d2,d3

Course Coordinators

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