



Course specification (2017-2018)

(اللائحه القديمه)

1-Basic information

Course Code:	S5-Zoon
Course title :	Zoonoses
Academic year:	5 th academic year
Program title:	B. Sc. Veterinary Medical Sciences
Contact hours/ week	2 hours/week, (2 Lect./week)
Approval Date	

2-Professional information

Overall aims of course:

This course aims to: give students clear knowledge about zoonotic diseases (diseases that are naturally transmitted between man and vertebrate animals), their impact, State different means for diagnosis and control of zoonoses and the importance of one health concept through.

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 definitions, and epidemiology of zoonotic disease and specify the transmission mechanisms of zoonotic agents from animals to man.
- a..2. List the factors necessary for producing infection of various 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 various zoonoses and outline new zoonoses including those emerging as well as the pathologic entities that have been known for a long time, but for which the epidemiological connection between man and animals has been unclear until recently.
- a.4. Elicit the human diseases spread by animals and the role played by animals in such diseases and record information about the diseases previously considered to be exclusively human and recognized now to have their counterparts in wild animals.
- a..5. Distinguish the nature of diseases having no significance for the livestock but having public health hazards (e.g. Rodent-Borne Zoonoses).

b-Intellectual skills

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

- b.1. Relate the characteristic clinical picture of different zoonoses in the animal and human s
- b.2. Differentiate the emerging zoonoses and be aware of the measures of their prevention and eradication.



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c-Professional and practical skills

No applicable

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	No. of hours	Lectures	Practical
5th year-First term Zoonoses (Lec. 2 h./week)	-Introduction and epidemiology of zoonoses.	4	2	-
	-Bacterial Zoonoses	10	5	-
	-Bacterial food-poisoning	4	2	-
	-Rickettsial Zoonoses	2	1	-
	-Human diseases spread by animals	4	2	-
	-Rodents and their control	2	1	-
Total		26	13	-
5th year-Second term Zoonoses (Lec. 2 h./week)	1-Viral Zoonoses	10	5	-
	2-Prion Diseases	2	1	-
	3-Parasitic Zoonoses			
	-Nematodiases	2	1	-
	-Cestodiases	2	1	-
	-Trematodiases& Arthropod Zoonoses	2	1	-
	-Potozoal Zoonoses	4	2	-
	Mycotic Zoonoses	4	2	-
Total		26	13	-

5-Teaching and learning methods

5.1- Lectures, brain storm, discussion by using board, data shows and multimedia



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5.2- 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.

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	1,2,3,4,5	1,2		
Oral Exam	1,2,3,4,5	1,2	1,2	1,2,3

7.2. Assessment schedules/semester:

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

7.3. Weight of assessments:

Assessment	Weight of assessment
Written exams	50
Oral exam	50
Total	100

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)



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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:

Zoonoses and public health

International journal of zoonoses

Vector-borne and zoonotic disease

Global Veterinaria

Journal of food science

Websites:

-<http://www.vetmed.wisc.edu/pbs/zoonoses/>

-<http://www.WHO.int/en/>

-<http://www.CDC.com/>

-<http://www.OIE.com>



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Topic	Week			
		K&U (a)	I.S (b)	G.T.S (d)
<i>First term</i>				
-Introduction and epidemiology of zoonoses.	1,2	a1,a2	b1,b2	d1,d2,d3
-Bacterial Zoonoses	3,4,5,6,7	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Bacterial food-poisoning	8,9	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Rickettsial Zoonoses	10	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Human diseases spread by animals	11,12	a 1, a 2, a 4	b1,b2	d1,d2,d3
-Rodents and their control	13	a 1, a 2, a 5	b1,b2	d1,d2,d3
<i>second term</i>				
1-Viral Zoonoses	1,2,3,4,5	a 1,, a 2	b1,b2	d1,d2,d3
2-Prion Diseases	6	a 1, a 2, a 3	b1,b2	d1,d2,d3
3-Parasitic Zoonoses				
-Nematodiasis	7	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Cestodiasis	8	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Trematodiasis& Arthropod Zoonoses	9	a 1, a 2, a 3	b1,b2	d1,d2,d3
-Potozoal Zoonoses	10,11	a 1, a 2, a 3	b1,b2	d1,d2,d3
4-Mycotic Zoonoses	12,13	a 1, a 2, a 3	b1,b2	d1,d2,d3

Course Coordinators
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Date of approval:

