

Beni-Suef University
Faculty of Veterinary Medicine
Department of Behaviour, Management & Zoonoses

Course Specification

Zoonoses توصيف مقرر طلاب

1- Basic information:		
Code No.: S5-ZOON	Course title: Zoonoses	Academic Level: 1st
Teaching Hours: Lecture: 2 Practical: 0 Total: 2		Specialization: BVSc

2- Overall aims of the Course:

The main purpose of this course is :

To supply the students with clear information about the epidemiology, occurrence, and socio-economic impact of zoonotic diseases (diseases that are naturally transmitted between man and vertebrate animals).

To state different means for controlling zoonoses.

3- Intended Learning Outcomes:

a- Knowledge and Understanding

By successful completion of the course, the student should be able to:

- a.1. Recall knowledge about definition, etiology and occurrence of each zoonotic disease and specify the transmission mechanisms of zoonotic agents from animals to man.
- a..2. State 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. Delineate 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. Specify 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. Understand the nature of diseases having no significance for the livestock but having public health hazards (e.g. Rodent-Borne Zoonoses).

<p>b- Intellectual Skills</p>	<p>By successful completion of the course, the student should be able to:</p> <ul style="list-style-type: none"> - b.1. Differentiate the characteristic clinical picture of different zoonoses in the animal and human hosts. -b.2. Score the exotic diseases probably introduced from other countries and be aware of the measures of their prevention and eradication before being entrenched. -b.3. Assess the specific problems of possible zoonotic origin via analysis of laboratory reports. -b.4. Demonstrate of the lantern slides of some lesions of selected zoonoses. 																													
<p>c- Professional and Practical Skills:</p>	<p>By successful completion of the course, the student should be able to:</p> <ul style="list-style-type: none"> - c.1. Practice the collection, examination and identification of different specimens for various zoonotic agents. - c.2. Schedule the occurrence of different species of rodents prevailing in the Egyptian environment and demonstrate morphological identification and various methods of control each species. 																													
<p>d- General and Transferable Skills:</p>	<p>By successful completion of the course, the student should be able to:</p> <ul style="list-style-type: none"> -d.1. Demonstrate educational presentations and pamphlets. -d.2. Utilize library facilities and internet technology. 																													
<p>4- Course Contents:</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5" style="text-align: center;">الفصل الدراسي الأول</th> </tr> <tr> <th style="width: 15%;">weeks</th> <th style="width: 25%;">Topic</th> <th style="width: 25%;">Total (hr)</th> <th style="width: 15%;">Lectures (hr)</th> <th style="width: 20%;">Practical (hr)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1st -2nd</td> <td>Introduction and epidemiology of zoonoses.</td> <td style="text-align: center;">4</td> <td style="text-align: center;">4</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">3rd-8th</td> <td>- Bacterial Zoonoses</td> <td style="text-align: center;">12</td> <td style="text-align: center;">12</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">9th</td> <td>- Rodents and their</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">-</td> </tr> </tbody> </table>					الفصل الدراسي الأول					weeks	Topic	Total (hr)	Lectures (hr)	Practical (hr)	1 st -2 nd	Introduction and epidemiology of zoonoses.	4	4	-	3 rd -8 th	- Bacterial Zoonoses	12	12	-	9 th	- Rodents and their	2	2	-
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		control			
	10 th -11 th	- Bacterial food-poisoning	4	4	-
	12 th	Rickettsial Zoonoses	2	2	-
	13 th	- Human diseases spread by animals	2	2	-
	Total		26	26	-
	الفصل الدراسي الثاني				
		Topic	Total (hr)	Lectures (hr)	Practical (hr)
	1 st -5 th	Viral Zoonoses	10	10	-
	6 th	Prion Diseases	2	2	-
	7 th -11 th	Parasitic Zoonoses	10	10	-
	12 th -13 th	Mycotic Zoonoses	4	4	-
		Total	26	26	-

5- Teaching and Learning Methods:	<p>- محاضرات نظرية - التدريب الصيفي - أنشطة التعلم الذاتي</p>
6- Teaching and Learning Methods for Handicapped:	Not applicable

7- Students assessment:																			
a- Methods of assessments:	Methods of assessments	Knowledge & Understanding	Intellectual Skills	Professional & Practical Skills	General & Transferable Skills														
	Written exam	a.1- a.5	b.1,b.2																
	Mid. Term		b.1,b.3,b.4	c.1,c.2	d.1,d.2														
	Oral exam	a.1-a.5	b.1,b.2		d.4														
b- Schedule:	<ul style="list-style-type: none"> - Written exam (at the end of term) - From 15th -17th week - Oral exam (at the end of term) - From 15th -17th week 																		
c- Weighing	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;">Semester (mark)</th> <th style="width: 20%; text-align: center;">Total (mark)</th> </tr> </thead> <tbody> <tr> <td>Written exam (at the end of term)</td> <td style="text-align: center;">25</td> <td style="text-align: center;">50</td> </tr> <tr> <td>Oral exam (at the end of term)</td> <td style="text-align: center;">20</td> <td style="text-align: center;">40</td> </tr> <tr> <td>Mid term exam</td> <td style="text-align: center;">5</td> <td style="text-align: center;">10</td> </tr> <tr> <td>Total</td> <td style="text-align: center;">50</td> <td style="text-align: center;">100</td> </tr> </tbody> </table>					Semester (mark)	Total (mark)	Written exam (at the end of term)	25	50	Oral exam (at the end of term)	20	40	Mid term exam	5	10	Total	50	100
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8- List of References:																			
a- Course notes:	<p>Zoonoses for Veterinary Students and Practitioners. Siam, M.A.; Hamed, O.; Ghoneim Nahed, Waheed Wafaa and Sabry Maha. 3rd Ed. 2004: Volumes I & II Department of Zoonoses, Faculty of Veterinary Medicine-Cairo University.</p>																		

<p>b- Essential books:</p>	<p>Understanding zoonotic diseases. (Romich, J.A) <i>Thomson Delmar Learning, Australia, Brazil and USA.</i> 2008.</p> <p>Zoonoses, Biology, Clinical Practice, and Public Health Control (Eds Palmer, S.R.; Soulsby, L. and Simpson, D.I.H.) Oxford Univ. Press, Oxford. 1998.</p> <p>*This book is found in the library of Faculty of Veterinary Medicine , Beni-Suef.</p> <p>7.2.2- Recommended Books</p> <ul style="list-style-type: none"> - 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. <p>*These books are found in the library of faculty of veterinary medicine.</p>
<p>c- Recommended books</p>	<p>OIE quality standard and guidelines for veterinary laboratories Office International Epizooties.</p>
<p>d- Periodicals, websites,.....etc</p>	<p>Journal of Infection Morb. Mort. Wkly. Rep. J. Infect. Dis. Vet Rec. J. Food Prot. J. Am. Med. Assoc. J.A.V.M.A. Trop.An.Heal.Prod.</p> <p>Websites http://www.vetmed.wisc.edu/pbs/zoonoses/ http://www.who.int/en/ http://www.CDC.com/ - http://www.OIE.com</p>

Course Coordinator

Head of Department

Dr. gihan kamal

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Prof. Dr. hosny H. Emeash

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