



	دمهور كلية الطب البيطري قسم صحة الحيوان والأمراض المشتركة
توصيف مقرر الأمراض المشتركة	

بيانات المقرر

B Zoo- A Zoo	:	
Zoonoses –	:	
بكالوريوس العلوم الطبية البيطرية	:	
1 : (ساعات أسبوعياً)	2 : (ساعات أسبوعياً)	حدات الدراسية
	الفصلان الدراسيان الأول والثاني	

1- Aims of the Course

- By the end of this course, the student will acquire the knowledge and skills needed to protect himself as well as maintain human health through prevention and control of zoonotic diseases transmitted from animals or animal products to man.

2- Intended Learning Outcomes :**/ Knowledge and Understanding :****By the end of this course, the student should be able to:**

- 2/1/1 Define zoonotic diseases and technical terms used in zoonoses.
- 2/1/2 Classify zoonotic diseases according to various classifications e.g. reservoir host, type of life cycle of the causative agent and the causative agent.
- 2/1/3 Explain the impact of zoonotic diseases on human health.
- 2/1/4 Identify the sources of infection of zoonotic diseases to human.
- 2/1/5 Identify the reservoirs of zoonotic diseases in order to eradicate them.
- 2/1/6 Outline the different modes of transmission of zoonotic diseases to human.
- 2/1/7 Describe the clinical picture of zoonotic diseases in human.
- 2/1/8 Point the suggestive measures required to prevent and control occurrence of zoonotic diseases.

/ Intellectual Skills:**By the end of this course, the student should be able to:**

- 2/2/1 Interpret epidemiological data collected about the spreading of zoonotic diseases.
- 2/2/2 Summarize the role of each animal species in transmitting zoonotic diseases to human.
- 2/2/3 Group zoonotic diseases according to the clinical pictures in human e.g. coetaneous, pulmonary , gastrointestinal and eye affections
- 2/2/4 Choose the suitable preventive measures for control of each zoonotic disease.
- 2/2/5 Relate zoonotic diseases with the human occupations at risk.
- 2/2/6 Employ the gained knowledge to inform the public about hazards of zoonotic diseases.



/ Professional and Practical Skills :

By the end of this course, the student should attain the capacity to:

- 2/3/1 Collect the suitable specimen required to identify the causative agent of zoonotic diseases.
- 2/3/2 Diagnose zoonotic diseases both in man and human based on clinical and laboratory methods.
- 2/3/3 Design a suitable control program for various zoonotic diseases.

/ General and Transferable Skills:

By the end of this course, the student should have the capacity to:

- 2/4/1 Work in multidisciplinary team.
- 2/4/2 Communicate effectively with others.
- 2/4/3 Organize and control tasks and resources.
- 2/4/4 Use computer programs to make presentations
- 2/4/5 Browse the internet skillfully to update knowledge.

-Course Content:

The first Semester			
Topic	No. of hours	Lectures	Practical
- Course description	1	1	-
- Classification of Zoonoses - Technical terms used in Zoonoses.	4	3	1
- Anthrax.	3	2	1
- Brucellosis	3	2	1
- Tuberculosis	3	2	1
- Human plague	3	2	1
- Listeriosis, Leptospirosis	3	2	1
- Actinomycosis, Swine erysipelas Glanders	1.5	1	0.5
- Tetanus, Tick relapsing fever, Tularemia,	1.5	1	0.5
- Nocardiosis, Pasteurellosis, Yersinosis	1.5	1	0.5
- Psittacosis and Cat scratch disease	1.5	1	0.5
- Bacterial food poisoning.	3	2	1
- Human diseases spread by animals: - Diphtheria, Scarlet fever - Septic sore throat, Staphylococcal infections	3	2	1
- Dermatomycosis, Favus	3	2	1
- Candidiasis, Cutaneous streptocercosis	1.5	1	0.5
- Sporotrichosis	1.5	1	0.5
- Aspergillosis and Histoplasmosis	1.5	1	0.5
- Blastomycosis and Coccidiomycosis	1.5	1	0.5
- Rat, mice and their control.	4	2	2
- Student activities: - Writing an essay on emergent zoonotic diseases			



- Prepare pp presentations - Seminars on presentations. - Designing scientific posters for zoonotic pathways of diseases.			
	45	30	15
- Rabies	3	2	1
- Contagious pustular dermatitis (ORF) - Foot and mouth disease (FMD) - Milk nodules	3	2	1
- Rift Valley Fever - Newcastle disease - Vesicular stomatitis	3	2	1
- Avian influenza - Swine influenza	4	2	2
- The arthropod-borne animal viruses: - West Nile fever - Yellow fever	3	2	1
- Rickettsial diseases: - Q-fever - Endemic typhus fever, - Boutonneuse fever - Rickettsial pox, RMSF	6	4	2
- Enteric protozoa	4	3	1
- Blood and tissue protozoa.	4	3	1
- Nematodes (round worms).	3	2	1
- Cestodes (tape worms).	4	3	1
- Trematodes.	3	2	1
- Trematodes transmitted through fish.	2	1	1
- Zoonotic Arthropods.	3	2	1
- Student activities: - Writing an essay on emergent zoonotic diseases - Making presentations. - Seminars on presentations. - Designing scientific posters for zoonotic pathways of diseases.			
	45	30	15

- Methods of Teaching and Learning

- 1- Lectures Using Data Show and Video Films.
- 2- Practical lesson: laboratory diagnosis zoonotic diseases.
- 3- Seminars: on the topics of the course
- 4- Essay prepared from Library and Internet. Student assignment and discussion in presence of other students in the same specialty.
- 5- Presentation prepared and presented by the student in presence of other students in the same specialty.

- Methods of Teaching and Learning for Students With limited capabilities:



1. Organize limited number students' class for these students.
2. Activate the role played by the scientific guide to discover the problems of these students then try to solve them.
3. Using various modes of learning strategies.
4. Students should participate in collecting the course material.

- Student Assessment				
/ . Methods	Measured ILO's			
	Knowledge & Understanding	Intellectual Skills	Professional and Practical Skills	General and Transferable Skills
Students activities				2/4/1, 2/4/2, 2/4/3, 2/4/4, 2/4/5
Written Exams	2/1/1, 2/1/2, 2/1/3, 2/1/4, 2/1/5, 2/1/6, 2/1/7, 2/1/8,	2/2/1, 2/2/2, 2/2/3, 2/2/4, 2/2/5,		
Practical Exams			2/3/1, 2/3/2, 2/3/3	
Oral Exams	2/1/1, 2/1/3,	2/2/1, 2/2/2, 2/2/3, 2/2/4, 2/2/5, 2/2/6		2/4/2
<p>Written Exams: Short Essay – MCQ- case study – compare</p> <p>Practical Exams: Identify the samples of insecticides and disinfectants.</p> <p>Oral Exams: According to the Basics of Oral Exams (Faculty Council April,)</p> <p>Periodical Written Exams: MCQ, complete, Give reasons</p> <p>Students activities:</p>				
/ . Timing	<ol style="list-style-type: none"> 1- Student activities (through out the semester). 2- Periodical Written Exams (th, 8th and th weeks). 3- Final Practical Exam (16th week). 4- Final Written Exam (th week). 5- Final Oral Exam (th week). 			
/ . Grade Distribution		Methods		Grade
	1	Periodical Written Exams		12 %
	2	Student activities		8 %
	3	Final Practical Exam		20 %
	4	Final Written Exam		50 %
	5	Final Oral Exam		10 %

- List of Text Books and References:

-Notes:

- Zoonoses. Department notes by:

- Prof. Dr. Hamed Abdel Tawab Samaha
- Prof. Dr. Yasser Nasr Awad Haggag



-Essential text Books :

- Shakespeare, M., . Zoonosesnd ed. Pharmaceutical Press, London.
- Colville, J.L. and Berryhill, D.L., . Handbook of Zoonoses: Identification and Prevention. Mosby Elsevier.

- Suggested Text Books:

- Acha, P. N. and Szyfres, B. (): Zoonoses and communicable diseases common to man and animals. Vol. I, II, III. rd ed., Authorized reprint WHO, AITBS publishers, India.
- Rowich, J. A. (): Understanding Zoonotic diseases. Canada
- Beran, G. W. (): Handbook of Zoonosesnd ed. CRC Press London

-Periodical and Web Sites:

- Zoonoses and Public Health Journal
- OIE World Animal Health book
- www.WHO.com
- www.CDC.com
- www.oie.int

Head of department	Course Coordinator
Prof. Dr./ Osama El sayed Mahrous	Prof. Dr./ Mousa .A. Ayuob