



University of Sadat City
Faculty of Veterinary Medicine
Dept. of Animal Hygiene and Zoonoses
(2014-2015)



Role of Aquatic Animals and Fish in Transmission of Zoonotic Disease (683M)

MVSc COURSE SPECIFICATION

1-Basic information	
Course Code:	783M
Course title :	Role of aquatic animals and fish in transmission of zoonotic disease
Academic year:	2014-2015
Program title:	Master in Veterinary Medical Sciences (Zoonoses)
Department offering the Course:	Department of Animal Hygiene and Zoonoses
Contact hours/week/semester:	Lecture: 2 hr/week
	Practical—hr/week
Course coordinator:	Dr : Sherif Zidan

2-Professional information

1- Overall aims of course

At completion this course, the students should know what is zoonoses. Types of zoonoses and their importance. Role of aquatic animals and fish in their occurrence.

2- Intended learning outcomes of course (ILOs)

a-Knowledge and understanding

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

-) a/1-Define the different terms of Zoonoses, communicable diseases, host- parasite relationship.
-) a/2-outline the bacterial and parasitic zoonoses transmitted by aquatic animals and fish
-) a/3-Describe the role of aquatic animals and fish in maintenance and transmission of zoonoses.
-) a.4. summarize the role of snails in occurrence of some parasitic zoonoses and methods of their control.
-) a/5-List the new emerging zoonoses transmitted by aquatic animals and fish

b-Intellectual skills

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

-) b.1- analyze and interpret data about existence, distribution, transmission and possible risk factors of disease transmitted by fish.
-) b.2- design strategies for prevention, control and eradication of these diseases.
-) b.3- Investigate the disease in the field and connect the disease events with the possible causal factors.
-) b.4- evaluate different techniques for analysis of samples in a fast and simple manner.
-) b.5- plan for a preventive strategy against zoonotic diseases and evaluate the impact of diseases.

c-General and transferable skill

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

- c.1.Work effectively as part of a team.
- c.2.Facilitate make use of library facilities and IT tools.
- c.3. Explore appropriate computer / keyboard skills including word
- c.4. Enhance the Processing, spreadsheets, presentation packages and graph plotting.

3 Topics and contents

Topic	No. of hours		
	Lect.	Pract.	Total
Classification of zoonoses and common terms	10	-	10
<u>Role of fish in transmission of Bacterial diseases</u>			
- Listeriosis (transient carrier).	40	-	40

- Swine eryseplas - Salmonellosis. -clostridium infection			
<u>Control of snails</u> -Chemical control -Physical control -Biological control	16	-	16
<u>Parasitic diseases</u> Cestodes Diphyllobothriasis Trematodes Hetrophysiasis Clonorechiasis Opisthrchiasis Paragonomiasis	22	-	22
Total	88	-	88

Teaching and learning methods

- 4.1. Lectures.
- 4.2. Practical.
- 4.3. Self-learning activities.

Student assessment

a. METHODS:

1- Written examination	For assessment of knowledge, back calling and Intellectual skills
2- Practical examination	For assessment of practical and professional skill.
3- Oral examination	For assessment of knowledge and Intellectual skills
4- Student activities	For assessment of knowledge and general and transferable skills

b. MATRIX ALIGNMENT OF THE MEASURED ILOs/ ASSESSMENTS METHODS:

	K.U (a)	I.S (b)	P.P.S (c)	G.S (d)
Written exam	1,2,3,4,5,	1,2,3,4,5,		-

Oral exam	1,2,3,4,5,	1,2,3,4,5,		-
Student activities (assay, seminar, etc.)				1-4

5.3-Weight of assessments WEIGHT OF ASSESSMENTS:

Assessment	Allocated Mark	Evidence
Final written exam	50%	Marked and signed written paper
Oral exam	50%	Signed list of oral exam marks
Student activities		Assay, presentations, review

6. List of References

6.1.Essential book

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Acha, P. N. and Szyfres, B. (2003): Zoonoses and Communicable diseases common to man and animals. PAHO, Sci. Tech. Pub.3rd ed. Volume I (Bacterial diseases).

James, H (1980): CRC Handbook series of Zoonose:VolumeII . CRC press. Inc. Boca, Raton, Florida. International Standard book number 0-8493-2907-8 (vol II) Library of Congress card number 78-10696 printed in the United States. ISBN 0-8493-2907-8.

6.2. Recommended Books

Standard Methods for Examination of Water and Waste Water. A.P.H.A. (2005): Inc., Washington D.C., USA.

Mostafa, T.H. and Samaha, H.A. (1995): Zoonoses. Alexandria University.

W.H.O. (1992):Informal consultation on the Intestinal protozoan infections. WHO/CDs/IPI 92. 2,1-41.

67.4. Other Resources, websites, journal....

Journal of Clinical. Microbiology.

- ❖ Journal of vector borne zoonoses.
- ❖ Journal of Infection and Immunity.
- ❖ Journal of Hygiene.
- ❖ Journal of Animal Science.
- ❖ Journal of parasitology.
- ❖ Journal of Tropical Animal Health and Production.
- Microbiological Review Journal.
- Journal of Microbiology.

7- Facilities required for teaching and learning

7.1 Data-show.

7.2 Network for technology transfer.

7.3 Computer.

	Course coordinators	Head of department
Name	Dr. Sherif Zidan	Prof. Dr. Ahmed Byomi
Signature		

Matrix alignment of course topics and ILOs

Topic	No. of hours /week		Total hours	Hours for lect.	Hours for pract.	ILOs				T&L. methods				
	Lect.	Pract.				K&U (a)	LS (b)	P.P.S (c)	G.T.S (d)	Lect.	Pract.	Self & active leaning	Audio visual	Case study
Classification of zoonoses and common terms	2	-	10	10		1			1	+	-			
<u>Role of fish intransmission of Bacterial diseases</u>	2	-	40	40		1,2,,3	1,2,5		1,2,	+	-			
<u>Control of snails</u>	2	-	16	16		4	1,3		1	+	-			
parasitic diseases.	2	-	22	22		2,5	4		,3,4	+	-			