



Course Specifications (fourth year) **Zoonoses**

Benha University

Faculty of Veterinary Medicine

Program on which the course is given: **Bachelor of Veterinary Medical Sciences**

Department offering the course: **Department of Zoonoses**

Academic year / Level: **4th year, 2nd semester**

Date of specification approval: Ministerial Decree No 921, on 15/9/1987

Date of Dept approval: **9/1/2011**

A- Basic Information

Title: **General and Special zoonoses**

Code: vet 006410

Lecture: 2 hour

Practical: 2 hours

Total: 4 hours

B- Professional Information

1 – Overall Aims of Course:

The aim of the work to provide the under graduate with general zoonoses

(Definition, Classification terms used in zoonoses, Immunize, Prevention, Control & eradication of zoonoses with its clinical skills with special attention to mode of transmittion) and Special zoonoses (Bacterioses & Rickettsioses)

2 – Intended Learning Outcomes of Course (ILOs)

a- Knowledge and Understanding:

a1- Understanding of basic knowledge about general zoonoses.

a2- Identify the cause and the mode of transmission zoonotic bacteriosis.

a3- recognize the prevention and control of zoonotic bacteerirosis.

a4- Identify the cause , mode of transmission and prevention and control of zoonotic Rickettsioses & chlamydioses.

b- Intellectual skills

b1- Able to prevent, control & eradicate of zoonotic diseases.

b2- Able to diagnose the zoonotic diseases in animals & man.

b3- Suggest treatment of zoonotic diseases in animals & man.



c- Professional and practical skills

- c1- Using of more recent advanced and specialized disinfect & sterilize materials & equipments.
- c2- Use appropriate safety procedure to protect themselves and attendant from zoonotic diseases.
- c3- Able to decontaminate diagnostic materials.
- c4- Diagnosis procedures & transparencies of modes of transmission of zoonotic diseases.
- c5- Demonstration of some vaccines & toxoid.
- c6- Implement several strategies for control zoonotic diseases.

d- General and transferable skills

- d1- Able to be a successful member in zoonoses diagnosis & their control.
- d2- Presentation of a scientific veterinary extension service & solving problems of zoonoses.
- d3- Utilize computer and internet skills, assay presentation.

3- Contents

Topic	No. of hours	Lecture	Practical
Definitions & classification of zoonoses & terms of zoonoses	8	4	4
Immunity & prevention, control & eradication	22	4	18
Bacteriosis	16	16	-
Rickettsiose & Chlamydioses	14	6	8
Total	60	30	30



4- Content-ILOs matrix

Content	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
general zoonoses	a1, a2, a3	b1	c1, c2, c3	d1,d2
zoonotic bacteriosis	a1,a2, a3	b1, b2, b3	c2, c3	d1, d3
zoonotic Rickettsioses	a1, a4	b1, b2,b3	c1, c3	d2,d3
zoonotic chlamydioses.	a1, a4	b1, b2, b3	c1,c2,c3	d1,d2,d3

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
M.C.q examination	a1,a2,a3	b1,b2	c1,c2,c3	
Mid-term	a1,a2,a3,a4	b1,b2,b3	c1,c3, c4	
Practical examination	a1,a2	b2,b3	c2,c3,c5	
Oral examination	a2,a3	b1,b3,b4	c1,c6	d1,d2,d3
Final term examination	a1,a2,a3,a4	b1,b2,b3	c1,c2,c3	

6- Teaching and Learning Methods

Lectures and lab sessions in which the following facilities are used:

- 6.1- Slides
- 6.2- CD's
- 6.3- Panorama slides
- 6.4- Microscopes.

7- Student Assessment Methods

- 7.1- MCq to assess understanding and intellectual skills.
- 7.2- Practical examinations to assess professional of practical skills.
- 7.3- Written examinations to assess knowledge of drawing.
- 7.4- Oral to assess intellectual and transferable skills.



7.5- Mid-term exam.

Assessment Schedule

Assessment 1: M.C.q	week 4, and	12
Assessment 2: Mid-term	week	8
Assessment 3: Practical examination	week	13
Assessment 4: Written examination	week	15
Assessment 5: Oral examination	week	15

Weighting of Assessments

M.C.q examination	5 %
Practical examination	25 %
Final term examination	50 %
Oral examination	15 %
Mid-term	5 %
Total	100 %

8- List of References

8.1- Course notes

-Dangerous Zoonotic diseases transmitted from animals to man (Lectural & Practical)

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8.2- essential books (text books)

-Acha & Szyfres, zoonoses & communicable diseases common to man & animals P.A.H.O. Washington, D.C. **1986**

8.3- Recommended books

- Hubbert et al. (Diseases transmitted from animals to man) 5th ed. Thomas-Publisher U.S.A. **1981**

8.4- Periodicals, Web sites, . . . etc

AVMA (American Veterinary Medical Association) -

BMA (British Medical Association) -

OIE (Office International des Epizooties) -

-WHO site (world health organization).



9- Facilities Required for Teaching and Learning

- Laboratory.
- Tissue processing & staining.
- Video, Projectors,
- Television.
- Data show.
- Immunohistochemistry kits.

Course coordinator:

Prof. Dr. Adel Mohamed abdelaziz

Head of department:

Prof. Dr. Adel Mohamed abdelaziz

Date: 10-1-2011



Course Specifications (fifth year) **Zoonoses**

Programme on which the course is given: **Bachelor of Veterinary Medical Sciences**

Department offering the course **Zoonoses Department**

Academic year / level **5th year 1st semester**

Date of specification approval: Ministerial decree No. 921 on 15/ 9/ 1987 (approved in this template by the Department Council on 23 /5/ 2010)

A- Basic Information

Code: Vet00657 **Special Zoonoses Title:**

Lecture: 2 hrs/week **Credit hours:**

Total: 4 hrs/week **Practical: 2 hrs/week** **Tutorial:**

B- Professional Information

1- Overall aims of course

The aim of the course is to provide scientific information to the undergraduate students regarding special Zoonoses (Parasitosis, Viruses & Mycoses, Occupational Zoonoses, Role of animals in transmission & zoonoses)

2- Intended learning outcomes of the course (ILOs)

a- Knowledge and understanding

After successful completion of the course, the students should be able to:

- a1- Understanding basic knowledge of special Zoonoses.
- a2- recognize the Parasitosis, Viruses, Mycoses & Zoonoses.
- a3- Study of occupational Zoonoses & role of animals in transmitting Zoonoses.

- a4- Know the appropriate methods for prevention and control of zoonotic diseases.

b- Intellectual skills

After successful completion of the course, the students should be able to:

- b1- Differentiate between rodents & their control.
- b2- Develop problems lists and differential diagnosis using the diagnoses procedures (Conventional & Biotechnological methods) to reach the appropriate solution to zoonotic diseases.



b3- Identify the modes of transmission and demonstration of some vaccines, toxoids & antisera.

c- Professional and practical skills

After successful completion of the course, the students should be able to:

c1- Using the more recent advanced and specialized differentiation between rodents and their control.

c2- Use appropriate safety procedure to protect themselves and attendant from zoonotic diseases.

c3- Able to decontaminate diagnostic materials.

c4- Diagnosis procedures & transparencies of modes of transmission of zoonotic diseases.

c5- Implement several strategies for control zoonotic diseases.

d- General and transferable skills

After successful completion of the course, the students should be able to:

d1- Able to be a successful member in zoonoses diagnosis & their control.

d2- Presentation of a scientific veterinary extension service & solving problems of zoonoses.

d3- Utilize computer and internet skills, assay presentation.

3- Contents :

Topic	No. of hours	Lecture	Tutorial / practical
Protozooses	8	4	4
Helminthiases	8	5	5
Cestodiasis	8	4	4
Nematodiasis	8	4	4
Arthropods	8	4	4
Viruses	11	4	4
Mycoses	9	5	5
Total	60	30	30



4- content-ILOs matrix

Content	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Protozooses	a1,a2	b1,b2	c1, c2	d1,d2
Helminthiases	a2,a3	b1,2,3	c2,c3	d1,d2
Cestodiasis	a1,a2,a3	b1,b2,b3	c1,c3	d1,d2
Nematodiasis	a2,a3	b2,b3	c1,c2	d1,d2
Arthropods	a1,a2	b2,b3	c1,c3	d1,d2
Viruses	a1,a3	b1,b3	c1,c2,c3	d1,d2
Mycoses	A1,a2	b1,b2	c1,c2,c3	d1,d2

5- Assessment-ILOS matrix

Assessment	ILOs			
	Knowledge and understanding	Intellectual	Professional and practical	General and transferable
Mcq-Exam	a1,a2	b1,b3	c1,c2	
Mid-Term	a2,a3,a4	b1,b3	c2,c3,c4	
Practical exam	a1,a2	b2,b3	c1,c3	
Oral exam	a1,a2	b2,b3	c2,c3	d1,d2,d3
Final term exam	a1,a2,a3,a4	b1,b2,b3	c1,c2,c3,c5	

6- Teaching and learning methods

- 4.1-Transparencies of the modes of the transmission
- 4.2- Demonstration of some vaccines, toxoids and antisera
- 4.3- Videos films, data show on important zoonoses.
- 4.4-Assay and seminars.



5- Student assessment methods

- 5.1- Practical exam to assess professional & practical skills.
- 5.2- Oral exam to assess knowledge & information and intellectual skills.
- 5.3- Written exam to assess knowledge & information and intellectual skills.
- 5.4- Semester work to assess interest with study of zoonoses.

Assessment schedule

Week 12	Practical exam Assessment 1
Week 15	Oral exam Assessment 2
Week 15	Written exam Assessment 3
Week 10	Semester work Assessment 2

Weighting of assessment

50 %	Final term examination
20 %	Oral examination
20 %	Practical work
10 %	Semester work
100%	Total

6- List of references

6.1- Course notes

-Dangerous Zoonotic diseases transmitted from animals to man (Lectural & Practical)

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6.2- Essential books (text books)

- Acha & Szyfres, zoonoses & communicable diseases common to man & animals P.A.H.O. Washington, D.C. (1995)

6.3- Recommended books

- Hubbert et al. (Diseases transmitted from animals to man) 5 Ed Charles
- Thomas-Publisher U.S.A. (1995)



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7- Facilities required for teaching and learning

- Laboratory.
- Tissue processing & staining.
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