Specification for zoonotic diseases course 2025/2026

1-Basic information

1.	**Course title**	zoonotic diseases							
2.	**Course code**	**506(A) I**							
3.	**Department offering the course**	Zoonoses							
4.	**Number of hours**	**Theoretical**	**2**	**Practical**	**2**	**Other**	**0**	**Total**	**4**
5.	**Course Type**	√ **Obligatory** **Elective**							
6.	**Level**	5th year							
7.	**Semester**	First semester							
8.	**Academic program**	Bachelor Veterinary medicine (BVM)							
9.	**Faculty**	Faculty of Veterinary medicine							
10.	**University**	Benha University							
11.	**Name of course coordinator**	Prof. dr. LOBNA M.A.SALEM							
12.	**Course Specification Approval Date**	Faculty council/ 27-8-2025							
13.	**Course Specification Approval (Attach the decision/minutes of the department /committee/council ....)**	Department council/							

2-Course overview

- **Course contents written in the program bylaw:**
  definition and classification of zoonoses and terms of zoonoses, immunity and prevention, control and eradication, bacteriosis and rickettsioses and chlamydioses.

3- Intended learning outcomes of the course (ILOs):

	NARS ILOS		**Course ILOS**	
	Code	**Text**	**Code**	**Text**
Knowledge and understanding	**2.9.**	General and specific epidemiological pattern of animal population diseases and the most effective immunization protocols.	**a1**	Describe the basic knowledge about general zoonosis
			a2	Identify the cause and the mode of transmission zoonotic bacteriosis.

	2.13.	Public health, including food hygiene of animal origin and zoonotic diseases that are transmitted from animals to humans.	**a3**	list the methods of prevention and control of zoonotic bacteriosis.
			a4	Identify the cause , mode of transmission and prevention and control of zoonotic Rickettsioses & chlamydiosis
Intellectual skills	**4.3.**	Inculcate a rigorous approach to problem identification and solving.	**b1**	Analyze the methods to prevent, control and eradicate zoonotic diseases.
			b2	Correlate between the zoonotic diseases in animals & man.
			b3	Suggest treatment of zoonotic diseases in animals & man
Practical skills	**3.11.**	Utilize appropriate safety procedures to protect clients and co-workers	**c1**	Provide more recent advanced and specialized disinfectant & sterilize materials & equipments.
			c2	Apply appropriate safety procedure to protect themselves and attendant from zoonotic diseases.
			c3	Decontaminate diagnostic materials.
	3.13.	Minimize the risk of contamination, cross infection and predisposing factors of diseases.	**c4**	Diagnose procedures & transparencies of modes of transmission of zoonotic diseases.
			c5	Demonstrate some vaccines & toxoid.
			c6	Implement several strategies for control zoonotic diseases
Transferable skills	**5.1.**	Work under pressure and / or contradictory conditions	**d1**	Work under pressure during lab sessions
	5.2.	Function in a multidisciplinary team	**d2**	Collaborate effectively within team
	5.3.	Communicate appropriately verbally and nonverbally	**d3**	Communicate effectively with lab collage
	5.6.	Utilize computer and internet skills	**d6**	Utilize computer and internet skills, read paper via internet related to his research project

4- Teaching and learning methods

Lectures	√	**Discussion & seminar (self-learning)**	√	**Practical**	√
Presentation & movies	√	**Problem solving**	√	**Brain storming**	√
Others					

- Course contents

Number of the Week	Scientific content of the course (Course Topics)	Expected number of the Learning Hours				
		Total Weekly hours	Theoretical teaching (lectures/discussion groups/ .....)	Training (Practical/ Clinical/ .....)	Self-learning (Tasks/ Assignments/ Projects/ ...)	Other
W1	Definitions & classification of zoonoses	**4**	**2**	**0**		**0**
	Definitions & classification of zoonoses		**0**	**2**		**0**
W2	terms of zoonoses	**4**	**2**	**0**		**0**
	terms of zoonoses		**0**	**2**		**0**
W3	Immunity	**4**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Immunity		**0**	**2**		**0**
W4	Bacteriosis	**4**	**2**	**0**		**0**
	Bacteriosis		**0**	**2**		**0**
W5	Bacteriosis	**4**	**2**	**0**		**0**
	Bacteriosis		**0**	**2**		**0**
W6	Bacteriosis	**4**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Bacteriosis		**0**	**2**		**0**
W7	**Semester works and Mid-term exam**					
W8	Bacteriosis	**4**	**2**	**0**		**0**
	Bacteriosis		**0**	**2**		**0**
W9	Bacteriosis	**4**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Bacteriosis		**0**	**2**		**0**
W10	Bacteriosis	**4**	**2**	**0**		**0**
	Bacteriosis		**0**	**2**		**0**
W11	Bacteriosis	**4**	**2**	**0**		**0**

	Bacteriosis		**0**	**2**		**0**
W12	Bacteriosis	**4**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Bacteriosis		**0**	**2**		**0**
W13	Rickettsioses & Chlamydioses	**4**	**2**	**0**		**0**
	Rickettsioses& Chlamydioses		**0**	**2**		**0**
W14	Rickettsiose & Chlamydioses	**4**	**2**	**0**		**0**
	Rickettsiose & Chlamydioses		**0**	**2**		**0**
W15	**Practical exam**					

5- Assessment timing and grading:

a- Assessment methods (summative and formative)

1. **Formative assessment**: including (weekly quizzes, homework assignments and surveys).
2. **Summative assessment** including (quizzes, class activates, Mid-term exam, practical exam, oral exams and final written exams).

b- Assessment schedule and weight

Assessment method	Timing	Grade	Percent
Mid-term exam	7^{th} week	15	15%
Formative assessment	Throughout semester	-	-
Practical exam	15^{th} week	20	20%
oral exam	End of semester	15	15%
Written exam	End of semester	50	50%
Total		100	100

6- Learning resources and supportive facilities:

Learning resources	**Main reference**	**Student handbook**
	Essential books (text books)	• Rolf Bauerfeind (2016) Zoonoses. • Suman Kumari Joshi (2015) Atext Book On Zoonotic Diseases. • S.R.Palmer (2015) Oxford Textbook Of Zoonoses • Scott Weese, Martha B. Fulford (2011) Companion animal zoonoses
	Periodicals, Web sites, . . . etc	• J American Journal of Veterinary Medical Association • Benha veterinary medical journal • www.OIE.int.org • www.FAO.int.org

		• www.WHO.int.org • www.arabvet.com • www.ekb.eg
	Learning platform	Thinqi
Supportive Facilities	**Devices & instruments**	As listing in device guideline
		• Teaching hall (data show, white board). • Zoonotic laboratory • Posters and procures. • Central laboratory

Matrices:

A- Content and ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General and transferable skills
Definitions & classification of zoonoses & terms of zoonoses	**a1, a2, a3**	**b1**	**c1, c2, c3**	**d1,d2,d4**
Immunity & prevention, control & eradication	**a1,a2, a3**	**b1, b2, b3**	**c1, c2, c3,c4,c5,c6**	**d1, d3**
Bacterioses	**a4**	**b1, b2**	**c1, c2, c3,c4,**	**d2,d3**
Rickettsioses & Chlamydioses	**a4**	**b1, b2, b3**	**c1, c2, c3,c4, c6**	**d1,d2,d3**

B- Teaching and learning methods and ILOs matrix:

Course ILOs		Teaching and Learning methods						
		L	P&M	D&S	P(TPL)	Ps	Bs	FTP
Knowledge & understanding	**a1**	√	√	√			√	
	a2	√	√	√			√	
	a3	√	√	√			√	
	a4	√	√	√			√	
Intellectual skills	**b1**	√	√	√		√	√	√
	b2	√	√	√		√	√	√
	b3	√	√	√		√	√	√
Professional and practical skills	**c1**		√	√	√	√		√
	c2		√	√	√	√		√
	c3		√	√	√	√		√
	c4		√	√	√	√		√
	c5		√	√	√	√		√
	c6		√	√	√	√		√

General skills	**d1**	√		√		√		√
	d2	√		√	√			√
	d3			√	√			√
	d4		√	√				√

L: Lecture**, P&M:** Presentations & Movies**, D&S:** Discussions & Seminars (self-learning), **P(TPL):** Practical, **Ps:** Problem solving, **Bs:** Brain storming**, FTP:** field trip, Training, Project

C- Assessment methods and ILOs matrix:

Course ILOs		**Assessment method**				
		Formative assessment	**Mid-term exam**	**Oral**	**Practical**	**Written**
Knowledge & understanding	**a1**	√	√	√		√
	a2	√	√	√		√
	a3	√	√	√		√
	a4	√	√	√		√
Intellectual skills	**b1**	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
Professional and practical skills	**c1**	√			√	
	c2	√			√	
	c3	√			√	
	c4	√			√	
	c5	√			√	
	c6	√			√	
General skills	**d1**	√				
	d2	√				
	d3	√		√		
	d4	√				

Name and Signature Course Coordinator	Name and Signature Program Coordinator
Prof. Dr. LOBNA M.A.SALEM	**Prof. Dr. Mahmoud Abouelroos**