Specification for Poultry Diseases course 2025/2026

1-Basic information

1.	**Course title**	Poultry Diseases (viral and bacterial disease of poultry)
2.	**Course code**	**505(A) III**
3.	**Department offering the course**	Poultry and Rabbit Diseases
4.	**Number of hours**	**Theoretical** 2 **Practical** 3 **Other** 0 **Total** 5
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**	Dr Sawsan Sami Elbasuni
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:**
  Bacterial diseases: enterbacteriacae, fowl cholera, coryza, O.R.T, mycoplasma, clostridia, strept and staph infection, T.B., other bacterial causes of diseases.
  Viral diseases: Newcastle disease, avain influenza, infectious bronchitis, infectious laryngotracheitis, avain pox, pneumovirus, adenovirus, duck virus, avain encephalamylitis, duck virus enteritis, avain leucosis, marek's disease and reticuloendotheliosis.

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

	NARS ILOS		Course ILOS	
	Code	**Text**	**Code**	**Text**
Knowledge and understanding	٢.٦	Basics of nutrition and feeding practices of healthy and diseased animals.	**a1**	Mention various causes of poultry diseases, their pathogenesis, macroscopic and microscopic pathological lesions, and laboratory diagnosis.
	2.11.	The most appropriate	**a2**	Identify the most appropriate diagnosis

		diagnosis and differential diagnosis of animal, poultry, and aquatic diseases		and differential diagnosis of poultry diseases.
			a3	Describe the methods of disease prevention and control
Intellectual skills	**4.4.**	Proficiently secure diagnostic reasoning, develop problem lists and differential diagnosis to deductively and critically reach the most appropriate solution (s) and management of the addressed clinical problems	**b1**	Collect history and data required for disease diagnosis.
			b2	Analyze the causes of the problem.
			b3	Design differential diagnosis to reach the specific disease for good control of the case.
	4.5.	Remain committed to life – long learning and updating / upgrading their biochemical sense and clinical skills.	**b4**	Assess the problem according to available facilities
Practical skills	**3.7.**	Assess and advise about animal management, nutrition under conditions of health and disease, and reproductive efficiency	**c1**	Carry out case history from poultry flock .
	3.8.	Skillfully and appropriately gain and use new information remain current with the emerging biomedical knowledge and therapeutic options.	**c2**	Apply clinical examination of diseased cases
			c3	Perform lab diagnosis.
	3.9.	Conduct evidence-based problem-solving of field– presented problems tasks.	**c4**	Design case report and interpret findings.
Transferable skills	**5.1.**	Work under pressure and/or contradictory conditions	**d1**	Manage time efficiently to accomplish assignments accurately and within designated deadlines, demonstrating organizational skills and discipline in prioritizing tasks to optimize productivity and meet academic obligations.
	5.2.	Function in a multidisciplinary team.	**d2**	Collaborate effectively within multidisciplinary teams when conducting research papers, contributing diverse perspectives and expertise to achieve common research objectives while demonstrating adaptability and teamwork.

	5.3.	Communicate appropriately verbally and nonverbally	**d3**	Demonstrate effective communication skills in interactions with lecturers and classmates, fostering productive dialogue and collaborative learning environments conducive to academic growth and knowledge exchange
	5.4.	Organize and control tasks and resources.	**d4**	Recognize the importance of community engagement and actively contribute to societal well-being through their roles as knowledgeable professionals, applying their expertise and skills to address community needs and promote positive change.

4- Teaching and learning methods					
Lectures	√	**Discussion & seminar (self-learning)**	√	**Practical**	√
Presentation & movies	√	**Problem solving**	√	**Brain storming**	√
Others	**Field training**				

- 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	Enterobacteriacae	**5**	**2**	**0**		**0**
	Enterobacteriacae		**0**	**3**		**0**
W2	Fowl cholera	**5**	**2**	**0**		**0**
	Fowl cholera		**0**	**3**		**0**
W3	Coryza ,O.R.T	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Coryza ,O.R.T		**0**	**3**		**0**
W4	Clostridia, Pasteurella	**5**	**2**	**0**		**0**

	Clostridia ,Pasteurella		**0**	**3**		**0**
W5	Mycoplasma	**5**	**2**	**0**		**0**
	Mycoplasma		**0**	**3**		**0**
W6	Infectious bronchitis, trachitis	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Infectious bronchitis, trachitis		**0**	**3**		**0**
W7	**Semester works and Mid-term exam**					
W8	Avian chlamydiosis, Spirochetosisis	**5**	**2**	**0**		**0**
	Avian chlamydiosis, Spirochetosisis		**0**	**3**		**0**
W9	Newcastle disease, Avian influenza	**5**	**2**	**0**		**0**
	Newcastle disease, Avian influenza		**0**	**3**		**0**
W10	Avian pox, Pnemovirus	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Avian pox, Pnemovirus		**0**	**3**		**0**
W11	Adenovirus , Duck virus	**5**	**2**	**0**		**0**
	Adenovirus , Duck virus		**0**	**3**		**0**
W12	Avian encephala mylitis Duck virus enteritis	**5**	**2**	**0**		**0**
	Avian encephala mylitis Duck virus enteritis		**0**	**3**		**0**
W13	Avian leucosis, Marek's disease	**5**	**2**	**0**	**Formative quiz(self-learning)**	**0**
	Avian leucosis, Marek's disease		**0**	**3**		**0**
W14	Reticulendotheliosis	**5**	**2**	**0**		**0**
	Reticulendotheliosis		**0**	**3**		**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	7th week	15	15%
Formative assessment	Throughout semester	-	-
Practical exam	15th 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)	• J.L. Vegad (2016) Acolour Atlas Of Poultry Diseases. • J.L. Vegad (2014) Poultry Diseases • Y.M.Saif (2003) Diseases of poultry 11th Edition • frank Jordan (2002) Poultry Diseases • J.L. Vegad (2016) Acolour Atlas Of Poultry Diseases. • frank Jordan (2002) Poultry Diseases
	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). • Equipped laboratory of veterinary medical diagnosis. • Samples of veterinary drug and vaccine. • Central laboratory for poultry disease

		diagnosis • Central laboratory for experimental laboratory animals • Poultry farm

Matrices:

A- Content and ILOs matrix:

Topic	A) Knowledge and understanding	B) Intellectual skills	C) Professional and practical skills	D) General & transferable skills
Enterobacteriacae	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Fowl cholera	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Coryza	a1,a2	b1,b2	c1,c2,c3,c4,c5	d1,d2,d3,d4
O.R.T	a1,a2	b1,b2	c1,c2,c3,c4,c5	d1,d2,d3,d4
Mycoplasma	a1,a2,a3,	b1,b2, b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Clostridia	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Strept and staph infection	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
T.B	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Other bacterial causes of diseases	a1,a2	b1,b2	c1,c2,c3,c4,c5	d1,d2,d3,d4
Newcastle disease	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Avian influenza	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Infectious bronchitis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Infectious laryngeo trachitis	a1,a2,a3,	b1,b2	c1,c2,c3,c4,c5	d1,d2,d3,d4
Avian pox	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Pnemovirus	a1,a2	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Adenovirus	a1,a2,a3,	b1,b2,b3	c1,c2,c3,c4,c5	d1,d2,d3,d4
Duck virus	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Avian encephala mylitis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Duck virus enteritis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Avian leucosis	a1,a2,a3,	b1,b2,b3,b4	c1,c2,c3,c4,c5	d1,d2,d3,d4
Marek's disease	a1,a2,a3,	b1,b2	c1,c2,c3,c4,c5	d1,d2,d3,d4
Reticulendotheliosis	a1,a2	b1, b4	c1,c2,c3,c4,c5	d1,d2,d3,d4

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	√	√	√			√	
Intellectual skills	b1	√	√	√		√	√	√
	b2	√	√	√		√	√	√
	b3	√	√	√		√	√	√
	b4	√	√	√		√	√	√
Professional and practical skills	c1		√	√	√	√		√
	c2		√	√	√	√		√
	c3		√	√	√	√		√
	c4		√	√	√	√		√
	c5		√	√	√	√		√
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	√	√	√		√
Intellectual skills	b1	√	√	√		√
	b2	√	√	√		√
	b3	√	√	√		√
	b4	√	√	√		√
Professional and practical skills	c1	√		√	√	
	c2	√		√	√	
	c3	√		√	√	
	c4	√		√	√	
	c5	√		√	√	
General skills	d1	√				
	d2	√				

	d3	√		√		
	d4	√				

Name and Signature **Course Coordinator** **Dr Sawsan Sami Elbasuni**	**Name and Signature** **Program Coordinator** **Prof. Dr. Mahmoud Abouelroos**