



## ARS for Master in Veterinary Medical Sciences (Poultry and Rabbit Diseases)

### Graduate attributes

*The graduate should have the ability for:*

- (1) Perfect application of scientific research basics and methodologies in poultry and rabbits diseases, and using its varied tools.
- (2) Application and use of analytical methods in detection of poultry and rabbits diseases  
Application of gained specialized knowledge and integrating them with the relevant knowledge in poultry and rabbits diseases.
- (3) Awareness with ongoing poultry and rabbits diseases problems and recent concepts of action of poisons at the cellular level.
- (4) Identification of toxicological problems and suggesting suitable and economic methods of treatment and control.
- (5) Mastering the proper scope of a rate specialized professional skills, and using appropriate technological means to serve the diagnosis and treatment of poultry and rabbits diseases  
Effective communication with students, and owners and leading work team.
- (6) Decision making for suggesting the cause of poultry and rabbits diseases.
- (7) Employ available resources efficiently including history, clinical signs, PM lesions and laboratory findings.
- (8) Awareness with his role in society development and fighting poultry and rabbits diseases for preservation of a clean environment.
- (9) Reflection of the commitment to act with integrity, credibility and the rules of profession.
- (10) Academic and professional self- development and ability for life-long learning and progress by studying new poultry and rabbits diseases cases.

### المقررات التي تحقق المعايير الأكاديمية للبرنامج

Code	Name
-	Poultry and rabbits diseases – basic course
-	Research Methodology
663	General pathology and oncology (advanced)
664	Pathology of poultry
672	General bacteriology
673	Specific bacteriology
674	Advanced immunology
674	Advanced mycology
677	Microbiology of poultry and rabbits
680	General virology
681	Special virology

682	Viral immunology
683	Viral vaccines
687	Parasites of birds

## مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية القياسية

### A) Knowledge and understanding

Adopted ARS		NARS
	<i>By the end of this program the graduate should understand and accommodate the following:</i>	<i>By the end of this program the graduate should understand and accommodate the following:</i>
1)	Theories and principles in the field of poultry and rabbits diseases and related fields.	Theories and principles in the field of specialization and related fields.
2)	The host pathogen relationship and microbial pathogenesis and their impact on environment	Mutual effect between professional practice and its impact on environment
3)	Application of his knowledge of poultry and rabbits diseases research methods by evaluating the utility of those techniques to specific research question about diagnosis of certain infectious causes	Scientific progress in the field of specialization
4)	Applying his knowledge and understanding of methods of infection to the critical analysis and discussion of the scientific literature.	Legal and ethical basics in professional practice in the field of specialization
5)	Health and safety risk assessments for the poultry and rabbits diseases laboratory.	Principles and basics of quality assurance in the area of specialization
6)	Basics and ethics of scientific research especially that involving poultry and rabbits	Basics and ethics of scientific research

### B) Intellectual skills

Adopted ARS		NARS
	<i>By the end of this program the graduate should understand and accommodate the following:</i>	<i>By the end of this program the graduate should understand and accommodate the following:</i>
1)	Analysis of data about poultry and rabbits diseases to solve field problems	Analysis and judgment of information in the field of specialization and analog to solve problems.
2)	Solving poultry and rabbits diseases problems even in presence of few data.	Solving professional problems even in scarcity of data.
3)	Evaluation of relationship between different knowledge to solve poultry farm disease problems.	Relating between different knowledge to solve professional problems.
4)	Designing a research project in the field of poultry diseases and publishing a scientific paper	Preparing research plan in specialization and/ or writing scientific article on a research problem.
5)	Assessment of virulence of pathogens infecting	Risk-assessment of professional practices

	poultry and rabbit	in specialization.
6)	Development of plans to improve performance in treatment and control of poultry diseases	Planning for improvement of professional performance.
7)	Decision making under different field circumstances	Taking professional decisions in a variety of professional contexts.

### C) Professional and practical skills

Adopted ARS		NARS
	<i>By the end of this program the graduate should understand and accommodate the following:</i>	<i>By the end of this program the graduate should understand and accommodate the following:</i>
1)	Using recent techniques and tools necessary for diagnosis and control of poultry and rabbits diseases.	Mastering basic and recent professional skills in the field of specialization
2)	Summarizing data in a conclusive report with evaluation of findings	Writing and evaluating professional reports.
3)	Assessment of available methodology in the field of poultry diseases	Evaluating existing materials and methods in the area of specialization.

### D) General and transferable skill

Adopted ARS		NARS
	<i>By the end of this program the graduate should understand and accommodate the following:</i>	<i>By the end of this program the graduate should understand and accommodate the following:</i>
1)	Communicating effectively with teaching staff, colleagues and the community.	Effective communication.
2)	Using information technology in scientific research and publications.	Utilizing information technology to serve development of professional practice.
3)	Demonstrating appropriate attitude towards teaching staff and colleagues.	Self-assessment and determination of personal educational needs.
4)	Identifying and use different sources of information and knowledge.	Using different resources to obtain knowledge and information.
5)	Using appropriate attitude and rules towards teaching staff and colleagues and use evidence based evaluations.	Establishing rules and indicators for assessment of the performance of others.
6)	Respecting the importance of team work.	Team working and leading a team in familiar professional contexts.
7)	Doing good control of timing.	Efficient time management.
8)	Performing continuous self-learning.	Self and continuous learning.