



ARS for PhD in Veterinary Medical Sciences (Animal and Poultry Production and Management)

1) Graduate attributes

The graduate should have the ability for:

- 1) Mastering the basics and methodologies of scientific research Animal and poultry production for better dealing with productive and reproductive problems professionally.
- 2) Performing continuous effort to add knowledge about improvement of productive and reproductive efficiency of animals and poultry.
- 3) Analysis and craterization of information in animal and poultry production and related fields including genetics, behavior,, physiology, economics, etc.
- 4) Integrating data collected from the animal and poultry farms with related experimental findings to reach the correct system for improvement of animal and poultry production.
- 5) Showing deep awareness with the ongoing animal and poultry production problems and modern theories in solving productive and reproductive problems.
- 6) Identifying the main causes of low production and infertility in animals and poultry farms and suggesting the appropriate solutions.
- 7) Mastering of a wide range of professional skills in experimental design, data collection, analysis, and interpretation of productive and reproductive data.
- 8) Acquiring trends towards developing modern methods and tools in Animal and poultry production.
- 9) Using appropriate technological means to serve professional practice.
- 10) Communicating effectively with animal breeders, students and colleagues and leading work team through professional scale.
- 11) Making decision in different professional situations especially under field conditions to deal with production and reproduction of animals and poultry.
- 12) Using of the available resources efficiently in the development of new techniques and work to find new resources.
- 13) Being aware with his role in society development and community preservation.
- 14) Acting with integrity, credibility and according to the rules of profession.
- 15) Realizing the importance of self and life-long learning and progress.

المقررات التي تحقق المعايير الأكاديمية للبرنامج

Code	Name
763	Advanced animal breeding and improvement (advanced)
764	Advanced poultry breeding and improvement (advanced)
765	Advanced cattle and buffalo production (advanced)
766	Advanced sheep and goat production (advanced)
767	Advanced poultry production (advanced)
768	Advanced rabbit production (advanced)
769	Advanced animal breeding and improvement (advanced)

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

A) Knowledge and understanding

	Adopted ARS	NARS (PhD)
	<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)	Recent theories, principles and knowledge in genetic and environmental improvement of animal and poultry production	Recent theories, principles and knowledge in the field of specialization and related areas
2)	Principles methodologies and ethics of scientific research and its tools in improvement of productive and reproductive efficiency of animals and poultry	Basics, methodologies and ethics of scientific research and its different tools
3)	Legal and ethical principles in the area of animal and poultry production.	Legal and ethical principles of professional practice in the area of specialization
4)	Principles and the basics of quality assurance in animal housing and management in the field of animal and poultry production	Principles and the basics of quality assurance in the area of professional practice in the field of specialization
5)	Awareness with the effect of different animal and poultry production systems on the animal wealth and methods for maximizing production	Awareness with the effect of professional practice on the environment and methods of its maintain and development
6)	the effect of professional practice on the environment and methods of environmental development and maintenance	

B) Intellectual skills

	Adopted ARS	NARS (PhD)
	<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</i>

		<i>accommodate the following:</i>
1)	Analyzing and evaluating information about production and reproduction of animals and poultry and the eliciting from them	Analyzing and evaluating information in the field of specialization and the eliciting from them
2)	Solving productive and reproductive problems using available data	Solving professional problems using available data
3)	Performing scientific research studies that can give significant impact on the improvement of animal and poultry production.	Conducting scientific research studies that add to knowledge
4)	Formulating scientific papers in animal and poultry production	Formulating scientific papers
5)	Risk-assessment of in the field of animal and poultry production	Risk-assessment in the field of specialization
6)	Planning to enhance the performance in the field of animal and poultry production	Planning to enhance the performance in field of specialization
7)	Making professional decisions for improvement of animal and poultry production under different professional contexts	Making professional decisions under different professional contexts
8)	Creation and innovative in the area of specialization field of animal and poultry production	Creation and innovative in the area of specialization
9)	Dialogue and discussion based on productive and reproductive evidences and proofs	Dialogue and discussion based on evidences and proofs

C) Professional and practical skills

Adopted ARS		NARS (PhD)
	<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)	Mastering basic and modern professional skills in the field of animal and poultry breeding and production	Mastering basic and modern professional skills in the area of specialization
2)	Writing and evaluating professional productive and reproductive reports	Writing and evaluating professional reports
3)	Evaluating and modernizing methods and tools in improvement of productive and reproductive efficiency of animal and poultry.	Evaluating and modernizing methods and tools in the area of specialization
4)	Using modern technological means to serve improvement of animal and poultry production	Using modern technological means to serve professional practice
5)	Planning for the maximizing productive and reproductive efficiency of animals and poultry by applying recent techniques in animal and poultry production	Planning for the improvement of professional practice and developing performance of others

D) General and transferable skill

Adopted ARS		NARS (PhD)
	<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)	Effective communication with animal and poultry producers, students and veterinarians.	Effective communication
2)	Utilizing information technology to serve development of animal and poultry production practice	Utilizing information technology to serve development of professional practice
3)	Teaching others and evaluating their performance	Teaching others and evaluating their performance
4)	Self-assessment and continuous learning	Self-assessment and continuous learning
5)	Using different resources to obtain knowledge and information	Using different resources to obtain knowledge and information
6)	Team working and leading a team in familiar professional contexts	Team working and leading a team in familiar professional contexts
7)	Management of scientific meetings with the ability to manage time efficiently	Management of scientific meetings with the ability to manage time efficiently

