



ARS for Master in Veterinary Medical Sciences (Animal Behavior and Management)

Graduate attributes

The graduate should have the ability for:

- (1) Perfect application of scientific research basics and methodologies in animal, poultry and fish behavior and management, and using its various tools.
- (2) Application and use of analytical methodology in the field of animal, poultry and fish behavior and management.
- (3) Application of gained specialized knowledge and integrating them with the relevant knowledge in animal, poultry and fish behavior and management.
- (4) Awareness with abnormal behavioral problems and recent visions in animal, poultry and fish behavior and management
- (5) Identification of animal, poultry and fish behavioral and managerial problems suggesting suitable and economic solutions.
- (6) Mastering an appropriate scale of specific professional skills, and using suitable technological means to serve professional practice.
- (7) Effective communication with students, animal breeders and owners of animal, poultry and fish farms and leading work team.
- (8) Decision making in various animal, poultry and fish production contexts.
- (9) Employment of the available resources efficiently to improve animal, poultry and fish performance and solving their behavioral problems.
- (10) Awareness with his role in society development and to understand animal, poultry and fish behavior and their proper management to achieve high productivity as well as animal welfare, with preservation of a clean environment.
- (11) Reflection of the commitment to act with integrity, credibility and the rules of profession.
- (12) Academic and professional self- development and ability for life-long learning and progress.

المقررات التي تحقق المعايير الأكاديمية للبرنامج

Code	Name
-	Animal and poultry behavior and management – Basic course
-	Research Methodology
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	Farm animal hygiene (advanced)

770	Poultry hygiene (advanced)
649	Farm animals and fish nutrition
650	Birds and rabbit nutrition
796	Advanced Biostatistics

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 animal, poultry and fish behavior and management and related fields.	Theories and principles in the field of specialization and related fields.
2)	The impact of different management systems on animal, poultry and fish behavior and performance and its reflection on the environment	Mutual effect between professional practice and its impact on environment
3)	Application of his knowledge of animal, poultry and fish behavior and management research methods by evaluating the utility of those techniques to specific research question improvement of animal, poultry and fish welfare and management	Scientific progress in the field of specialization
4)	Applying legal and ethical basics in animal, poultry and fish behavior and welfare and production improvement practice.	Legal and ethical basics in professional practice in the field of specialization
5)	Recognizing basics and principles of quality assurance in the field of animal, poultry and fish behavior and management.	Principles and basics of quality assurance in the area of specialization
6)	Basics and ethics of scientific research especially that associated with animal behavior.	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)	Integration of the available record information, methods of behavior measuring, analysis of data and judgment of animal, poultry and fish on the basis of behavioral and performance indices.	Analysis and judgment of information in the field of specialization and analog to solve problems.
2)	Solving behavioral and managerial problems based on the available data	Solving professional problems even in scarcity of data.

3)	Connectivity between the various sources of knowledge to solve abnormal animal behavior and management problems in different animal, poultry and fish systems.	Relating between different knowledge to solve professional problems.
4)	demonstration insight into research and scientific methods, experimental design, formulating research questions that are relevant to animal, poultry and fish behavior and management and writing scientific article on a research problem.	Preparing research plan in specialization and/ or writing scientific article on a research problem.
5)	Assessing professional risk in the field of animal, poultry and fish behavior and management.	Risk-assessment of professional practices in specialization.
6)	Development of plans to maximize welfare as well as performance of animal, poultry and fish in different management systems.	Planning for improvement of professional performance.
7)	Making decisions and suggestions for improvement of animal, poultry and fish welfare and productivity in different contexts	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)	Efficient mastering of information technology and using of available data and recent tools to improve animal, poultry and fish welfare and diagnose causes of abnormal behavior.	Mastering basic and recent professional skills in the field of specialization
2)	-Writing and evaluation of behavioral and productive reports - Analysis of data given in animal records and evaluate welfare and performance status	Writing and evaluating professional reports.
3)	Planning a research project in the field of animal, poultry and fish behavior and management with a consideration to the technical, ethical and safety issues and associated costs.	Evaluating existing materials and methods in the area of specialization.
4)	Performing essential skills that underpin techniques associated with experimental design, animal observation and behavioral recording, collecting, summarizing, organizing, presenting and analyzing data	

D) General and transferable skill

Adopted ARS	NARS
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	<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 animal, poultry and fish producers.	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.

