

Ministry of Higher Education and Scientific Research
Scientific supervision and evaluation device
Department of Quality Assurance and Academic Accreditation

Academic Program Description

2023-2024

University: Mosul

College/Institute: College of Veterinary Medicine

Date of filling out the file: 1/8/2023

signature:

Name of Department Head: Prof. Dr. Dhafer Muhammad Aziz

Name of the scientific assistant: Prof. Dr. Raad Abdul Ghani Al-Sinjari

Check the file before Division of Quality Assurance and University Performance

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Prof. Dr. Ammar Mahmood Ahmed



Authentication of the Dean

Prof. Dr. Dhafer Muhammad Aziz

Academic Program of The College of Veterinary Medicine

This academic program description provides a necessary summary of the most important characteristics of the program and the learning outcomes that the student is expected to achieve, demonstrating whether he or she has made the most of the available opportunities. It is accompanied by a description of each course within the program.

1. Educational organization	Ministry of Higher Education and Scientific Research University of Mosul, College of Veterinary Medicine
2. Scientific Department	
3. Name of Academic Program	Bachelor in Veterinary Medicine and Surgery
4. Degree of Academic Program	Bachelor in Veterinary Medicine and Surgery
5. Study system	Semesters
6. Accredited Accreditation programs	
7. Other external influences	
8. Date	1-8-2022



9. Academic Program Description:

The academic program of the College of Veterinary Medicine at the University of Mosul is based on the semester system that extends over a period of five academic years that includes ten semesters, during which the student receives theoretical lectures and practical exercises in the various college laboratories and clinical applications in the teaching hospital, to finally obtain a Bachelor Degree in Veterinary Medicine and Surgery.

10. Objectives of the academic program:

The academic program of the College of Veterinary Medicine aims to prepare veterinarians who are capable and familiar with everything related to animals such as ruminants, horses, poultry, dogs, cats, wild animals and fish, as this program includes knowledge of animal breeding, nutrition, improvement, diagnosis and treatment of diseases and methods of prevention, as well as ways to protect humans and their health through the prevention and control of zoonotic diseases in which animals are their source or play a role in their transmission, and provide proper healthy food.

11. Academic Program Outputs:

The outputs of the academic program of the College of Veterinary Medicine depend on two main axes:

First: Veterinary knowledge resulting from the basic curricula

The graduated veterinarian is expected to have sufficient knowledge of the basics of the veterinary profession based on knowledge of animal diseases and their causes, distinguishing pathological symptoms, diagnosing, treating and preventing diseases with vaccines, controlling the spread of diseases, as well as surgical interventions and maintaining veterinary public health. We expect the curriculum to provide the veterinarian with the necessary knowledge of animal production, animal husbandry and research methods, as well as full knowledge of the natural functions and care of animals, laws and regulations related to animal transport and reporting of dangerous animal diseases.

Second: Veterinary knowledge resulting from practical and applied lessons

The graduate veterinarian is expected to have sufficient knowledge of how to take the history of the disease and first aid, take biological models for diagnostic examination, conduct and interpret them, perform radiological and ultrasound examinations, use modern therapeutic and diagnostic devices and techniques, how to deal with dangerous diseases that need to be reported to the competent health authorities, basic surgical skills to treat cases that require it, maintain animal husbandry records, deal with animal breeders, conduct pathological anatomical examinations and examine meat. Understand the health risks of diseases to public health and know the laws and regulations related to them. The veterinarian must be familiar with the methods of scientific research and dealing with laboratory animals.

Basic skills that a newly graduated veterinarian is expected to be familiar with:

1. Taking a case history.
2. Conduct a clinical examination.
3. Use of veterinary vaccines.
4. Find out the methods of administration of the drug in various animals; orally and intramuscular, subcutaneous or intravenous injection.
5. Get blood, skin, urine and stool samples for laboratory tests.
6. Sedation and anesthesia of animals.
7. Basic local anesthesia.
8. Know the sterilization requirements and how to perform sterilization of instruments and hands and prepare them for surgery.
9. Conduct first aid in animals.
10. Basic treatment of wounds.
11. Knowledge of surgical suturing techniques.
12. Know the basics of taking x-rays and examining radiographs.
13. Description and definition of animals, especially horses.
14. Euthanasia of the animal.



15. Examining the dead animals, conducting a pathological autopsy and taking samples from it.
16. Finding the causes of abortion.
17. Examination of parasitic etiology.
18. Take clinical notes and write the report.
19. Inspect the horses' hoof and remove the horseshoe.
20. Trim the hoof and nails.
21. Catheterization of the bladder in males and females.
22. How to take forms and supervise sending them to laboratories.
23. Rectal and vaginal examinations and examination of the mouth and tongue.
24. Knowledge of the basic anatomy of animals.
25. Use of stomach tube.
26. Knowledge of obstetrics in farm animals.
27. Pregnancy diagnosis.
28. Age determination by Teeth of animals.
29. Conducting general examinations in animal herds.
30. Inspection of animals before slaughter and after slaughter.
31. Familiarity with common diseases.



12. Academic Program Details (Curriculum):

First Year							
First Semester	No. of Hours		Credits	Second Semester	No. of Hours		Credits
Subjects	T	P		Subjects	T	P	
Biology-1	2	2	3	Biology-2	2	2	3
General Chemistry-1	3	2	3	General Chemistry-2	2	2	3
Anatomy-1	2	2	3	Anatomy-2	2	2	3
Animal Management-1	2	2	3	Animal Management-2	2	2	3
Computer Science-1	1	2	2	Computer Science-2	1	2	2
Democracy	2	-	2	Human Rights	2	-	2
English Language	1	-	1	Arabic Language	1	-	1
Biosecurity risk	1	-	1	Poultry Management	1	2	2

Second Year							
First Semester	No. of Hours		Credits	Second Semester	No. of Hours		Credits
Subjects	T	P		Subjects	T	P	
Anatomy-1	2	2	3	Anatomy-2	2	2	3
Histology-1	2	2	3	Histology-2	2	2	3
Physiology-1	4	2	5	Physiology-2	4	3	5
Biochemistry-1-	3	2	4	Biochemistry-2	3	2	4
Animal nutrition-1	2	2	3	Animal nutrition-2	2	2	3
Genetics	2	-	2	Statistic	2	2	3
				Embryology	1	-	1

Third Year							
First Semester	No. of Hours		Credits	Second Semester	No. of Hours		Credits
Subjects	T	P		Subjects	T	P	
Helminthology	3	2	4	Protozoa	3	2	4
Pharmacology-1	3	2	4	Pharmacology-2	3	2	4
General Microbiology	3	2	4	Special Microbiology	3	2	4
Immunology-1	2	2	3	Virology	2	2	3
General Pathology	3	2	4	Systemic Pathology	3	2	4
Toxicology	2	-	2	Veterinary Clinic	-	2	1

Fourth Year							
First Semester	No. of Hours		Credits	Second Semester	No. of Hours		Credits
Subjects	T	P		Subjects	T	P	
Surgery-1	3	2	4	Surgery-2	3	2	4
Poultry Diseases-1	2	2	3	Poultry Diseases-2	2	2	3
Female Fertility	2	2	3	Veterinary Obstetrics	2	2	3
Morbid Anatomy-1	1	2	2	Morbid Anatomy-2	1	2	2
Clinical Pathology-1	1	2	2	Clinical Pathology-2	1	2	2
Internal Medicine-1	3	-	3	Internal Medicine-2	3	-	3
Infectious Diseases-1	3	-	3	Infectious Diseases-2	3	-	3
Veterinary Clinic-1	-	4	2	Zoonotic Diseases	2	-	2
				Veterinary Clinic-2	-	4	2

Fifth Year							
First Semester	No. of Hours		Credits	Second Semester	No. of Hours		Credits
Subjects	T	P		Subjects	T	P	
Male Fertility	1	2	2	Reproductive Biotechnology	1	2	2
Surgery-1	2	2	3	Surgery-2	2	2	3
Meat Hygiene	2	2	3	Milk Hygiene	2	2	3
Fish Diseases	2	2	3	Veterinary Ethics	1	-	1
Veterinary Clinic-1	-	12	6	Internal Medicine-2	3	-	3
Internal Medicine-1	3	-	3	Veterinary Forensic medicine	1	-	1
				Veterinary Clinic-2	-	12	6
				Research Projects	2	-	2
				Summer Clinic	-	-	3

