



Academic Program Description

Veterinary Medicine and Surgery	Programme Title
VET	Programme Code
University of Kufa	Institute
Veterinary Medicine	Faculty
	Department
Courses	Teaching programme
2020-2021	Academic Course
208 Credits	Credits Requirement
Bachelor in Veterinary Medicine and Surgery	Certificate Award
Ministry of Higher Education and Scientific Research	Programme Accredited
Professor Ahmed Hameed Abboud Al-Thabhawee	Programme Coordinator
2021 and reviewed by dating on 08/06/2021	Date of Programme

Vision, Mission and Aims of Programme

Vision:

The main vision is to be a scientific institution for the rehabilitation of specialized scientific which would be care of animal health and protecting livestock as national wealth, a basic resource of our national economy, and graduate excellence, creative veterinarians in the fields of veterinary medicine. In addition, we will be depending on scientific international standards and leadership in veterinary education and scientific research to ensure animal health and the development of livestock with an eco-environment.

Mission:

The Faculty of the Veterinary Medicine / University of Kufa is dedicated to providing an appropriate educational environment to prepare a veterinarian with excellent scientific and practical skills in their field of work. Also, Faculty is pursued to projects, plans and doing and developing research, and working on its implementation for the protection of livestock and solving problems to preserve human and animal health and ensure food safety. The faculty will make available through primary

study the projects and scientific research that contributes to providing innovative solutions to support the national economy with the relevant authorities and achieve sustainable development in education, health, and food by the standards of the Education Council of Iraqi Veterinary Colleges.

Program Goals:

Academic strategy:

- 1- Award Bachelor's degree in veterinary medicine and surgery
- 2- Diploma, master's, and doctorate degrees in basic and veterinary specialties.
- 3- Doing the scientific and clinical research
- 4- Continuous development of various academic disciplines.

Community service:

We are happy to provide veterinary diagnostic services, treatment of animals, food safety, and animal health depending on the European Veterinary Organization (EAEVE) to protect our community and animals.

Intended Learning Outcomes

Knowledge and Understanding

- 1- To study the body of the function of healthy animals.
- 2- To detect the health, safety, care, and management of animals.
- 3- To recognize the causes of diseases, reasons for pathogenesis, and prevention.
- 4- To perform the principles, indications of surgical and therapeutic interventions, pharmacology, toxicology, and anesthesia.
- 5- To learn about the sciences of public health, common diseases, hygiene of meat and milk, and the epidemiology of diseases.
- 6- To combine academic and applied research in all fields of veterinary science.

Learning and Teaching Methods

- 1-Classes
- 2- Scientific groups.
- 3- Few students with different discussion sessions.
- 4- Vertical teaching courses (which conduct by teaching student has trained in the previous years)
- 5- Field scientific visits.
- 6- Seminars.
- 7- Clinical cases.
- 8- The use of recent technology for communication and teaching information of illustration.

Assessment Methods

- 1- Written exams (including explanations, short questions, multiple choices or MCQ).
- 2- Practical exams to learn how to deal with animals in the fields.
- 3- Oral exams.
- 4- Reports and project research.
- 5- extra-curricular activities.
- 6- OSCEs (Objective Structured Clinical Examinations) for Fifth Year.

Intellectual Skills

1. Intellectual curiosity and academic inquiries.

2. Learning the techniques of scientific research, evaluation, and discussion.
3. Self problem solutions.
4. Brainstorming.
5. Discussions in small group sessions.

Learning and Teaching Methods

- 1- Seminars, and workshops
- 2- Full attendance and participation in practical sessions and field visits.
- 3- Collaboration with the community to solve problems related to farm and pet animals.

Assessment Methods

- 1- Class exams
- 2- Practical exams
- 3- Extracurricular and library duties.
- 4- Veterinary application tests.
- 5- Research projects.
- 6- Written exams (including explanations, short questions, Multiple choices, or MCQ)

Practical Skills

- 1- Preclinical and clinical skills, examination and case history for animals.
- 2- Collection of pathological samples and interpret laboratory results.
- 3- How to make therapeutic or surgical decisions and give advice and supervision on infected animals.
- 4- Performing local and general anesthesia operations correctly and safely.
- 5- Following typical solutions for treatment.
- 6- Knowledge of the logical and professional skills of the veterinary.
- 7- Animal welfare and following the ethics for veterinary medicine and doing research.
- 8- Knowledge of the careers in the veterinary science.

Learning and Teaching Methods

- 1- Theoretical and practical classes.
- 2- Practical groups (laboratory and extramural and intramural group) through application lessons three stages.
- 3- Library and internet services.
- 4- Using images and illustration materials for classes.

Assessment Methods

- 1- Practical oral exams.
- 2- Final exam.
- 3- Practice (clinical training extramural work in the fourth stage).
- 4- Application for Veterinary knowledge and skills for one year after graduation extramural studies.

Transferable and Generic Skills

- 1- Community services.
- 2- Veterinary services for animals.
- 3- The correct way to treat diseases.
- 4- Protocol ways to deal with the disease epidemic and prevent its outbreak.
- 5- Continuous professional development and sustainable learning.

Learning and Teaching Methods

- 1- Register clinical cases.
- 2- Develop preclinical and clinical skills.

- 1- Examination of pathological lesions.
- 2- practical lessons.
- 3- Theoretical Classes.
- 4- Discussion (oral responses).
- 5- Seminars.
- 6- Scientific field visits.

Assessment Methods

- 1- Theoretical and practical exams.
- 2- Clinical practical exams.
- 3- Extracurricular and library activities.
- 4- Assignments and Reports.

Programme Structure

First Year 1st semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Biology P1	VEA1102	٢	٢	٣
General chemistry P1	VEP1104	٢	٢	٤
Anatomy P1	VEA1101	٢	٣	٣,٥
Animal management P1	VEH1103	٢	٢	٣
Computer P1	VED1004	١	٢	٢
Democracy and human rights P1	VEH1001	٢	-	٢
English language	VEP1003	١	-	١
Total Credits No.				18.5

First Year 2nd semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Biology P2	VED1106	٢	٢	٣
Arabic language	VEP10032	٢	-	٢
Anatomy P2	VEA1106	٢	٣	٣,٥
Animal management P2	VEH1107	٢	٢	٣
Poultry management	VEH1108	١	٢	٢
Computer P2	VEP10022	١	٢	٢
Democracy and human rights P2	VEH10011	٢	-	٢
General chemistry P2	VEP1109	٣	٢	٤
Total Credits No.				19.5

Second Year 1st semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Biochemistry P1	VEP2104	3	2	4
Physiology P1	VEP2103	4	2	5
Anatomy P1	VEA2101	2	3	3.5
Histology P1	VEA2102	2	3	3.5
Animal nutrition P1	VEH0105	2	2	3
Genetic	VEH2106	2	-	2
Total Credits No.				21

Second Year 2nd semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Biochemistry P2	VEP2110	3	2	4
Physiology P2	VEP2109	4	2	5
Anatomy P2	VEA2107	2	3	3.5
Histology P2	VEA2108	2	3	3.5
Animal nutrition P2	VEH2111	2	2	3
Embryology	VEA2112	1	-	1
Statistic	VEH2113	2	2	3
Total Credits No.				23

Third Year 1st semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Parasitology P1	VEM3112	3	2	4
Pharmacology P1	VEP3111	3	2	4
General microbiology	VEM3114	3	2	4
Immunology	VEP3115	2	2	3
General pathology	VED3110	3	3	4,0
Toxicology	VEP3116	2	-	2
Total Credits No.				21.5

Third Year 2nd semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Parasitology P2	VEM3122	3	2	4
Pharmacology P2	VEP3121	3	2	4
Veterinary clinic	VEC3127	-	2	1
Special microbiology	VEM3124	3	2	4
Virology	VEM3126	2	2	3
Special pathology	VED3120	3	3	4,0
Total Credits No.				20.5

Forth Year 1st semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Post mortem P1	VED4111	1	2	2
Female theriogenology	VEC4111	2	2	3
Veterinary clinic P1	VEC4112	-	4	2
Poultry diseases P1	VED4114	2	2	3
Surgery P1	VEC4115	3	2	4
Infectious diseases P1	VEC4117	3	-	3
Clinical pathology P1	VEC4119	1	2	2
Veterinary medicine P1	VEC4110	3	-	3
Total Credits No.				22

Forth Year 2nd semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Post mortem P2	VED4121	1	2	2
Veterinary obstetric	VEC4122	2	2	3
Veterinary clinic P2	VEC4123	-	4	2
Poultry diseases P2	VEC4124	2	2	3
Surgery P2	VEC4125	3	2	4
Infectious diseases P2	VEC4126	3	-	3
Clinical pathology P2	VEC4127	1	2	2
Veterinary medicine P2	VEC4128	3	-	3
Zoonotic diseases	VEC4107	2	-	2
Total Credits No.				24

Fifth Year 1st semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Fish diseases	VED5110	2	2	3
Male fertility	VEC5111	1	2	2
Veterinary clinic P1	VEC5112	-	14	7
Veterinary medicine P1	VEC5113	3	-	3
Meat hygiene	VEH5114	2	2	3
Surgery P1	VEC5115	2	2	3
Research project P1	VEC5116	1	-	1
Total Credits No.				22

Fifth Year 2nd semester

Modules	Code No.	Hours		Credits No.
		Theory	Practice	
Reproductive technology	VEC5117	1	2	2
Veterinary clinic P2	VEC5118	-	12	6
Veterinary ethics	VEC5119	1	-	1
Veterinary medicine P2	VEC5120	3	-	3
Milk hygiene	VEH5121	2	2	3
Veterinary forensic	VED5122	1	-	1

Surgery P2	VEC5123	۲	۲	۳
Summer clinic	VEC5124	-	۶	۳
Research project P2	VEC5125	۱	-	۱
Total Credits No.				23

Regulations of Assessments

- 1- Log book
- 2- Theoretical and practical examination

Criteria for Admission

Firstly, The requirements for admission to the faculty are: -

- 1- Following the instructions and regulations of the Ministry of Higher Education and Scientific Research for admission of students (Central Admission)
- 2- Students have to successfully pass a special test or personal interview deemed by the faculty or university council.
- 3- Students must be medically fit for the specialty they are applying for.

Secondly, the admission requirements for the scientific department are:

- 1- Students desire veterinary science and then scientific level.
- 2- Particular score of faculty and regulations of the ministry of higher education and research and depending on secondary study of students.
- 3- The course average of the department that the student would like to study.
- 4- The Capacity of the scientific department in receiving the students.

Key Sources of Information about the Programme

Support for Student Learning

The department support of student learning by:-

1. All students have a senior tutor who will provide support including pastoral and welfare.
2. The year directors and head of department are available to give help and advice.
3. Academic staff suggest and supervise the graduate projects of students and might be more than one student in each project.
4. Most courses provide printed lectures notes, problems sheets and practical exercises and also can be obtained from the departmental office and website.
5. Members of staff are happy to give help and advice.
6. The laboratories of the department are under teaching staff control and technical coordinators who report the requirements to head of department senior academic staff.
7. The quality assurance performance of the university will organise periodically visits to the faculty during the course to ensure a satisfactory program for students.
8. There are library, computer halls and rooms in the faculty for student services.
9. Students in the Fifth Year must prepare research projects as requirements to pass the fifth year and under supervisor by teaching staff regularly.

University Support for Student Learning and Alumni such as:

1. Library services.
2. Computers training and IT service.

3. Careers advisory service for alumni.
4. Mosque for free worship.
5. Facilities for disabled students.

Methods for Evaluating and Improving the standard of Learning and Teaching

The quality of the programme :

- 1- Students provide a feedback at the end of unit, which are used to review and improve the unit.
- 2- The department management board and academic staff with students, which meets regularly, and provides a forum where any aspect of the teaching can be discussed.
- 3- Student membership of the department and faculty management board.
- 4- The discussions of the students with personal tutors and the Directors of Studies for each year.

Assuring and enhancing the quality of the programme:

- 1- The programme is periodically reviewed by external examiners.
- 2- Annual consideration of each unit is carried out by the coordinator.
- 3- Periodic programme reviews by academic staff.
- 4- External check up by the Quality Assurance of college.
- 5- The department external advisory panel, which includes representatives from students and industry and advisers on this course.
- 6- All academic staff regularly undergo observation of their teaching by colleagues.

Methods for Evaluating the standard of Learning and Teaching of lecturer

1. The head of the department assesses of the teaching staff members in the scientific department according to typical form No. 1.
2. Students can give feedback for teaching staff according to typical form No.2.
3. Teaching staff can make Self-evaluation of performance according to typical form No. 3.
4. Students can Evaluate a year of study according to typical form No. 4.
5. The assessment process academic year is carried out in coordination with the quality department's unit and supervised by the Quality Department of the university.

Methods for Evaluating and review the Programme Structure

1. The scientific departments constitute the particular committees that are tasked to follow up on the program and conduct a comprehensive review and deal with any new requirement for the department or faculty.
2. A questionnaire and feedback conduct at the end of each semester about the academic program by students to improve the teaching process.
3. A questionnaire and feedback conduct at the end of each semester on the best ways to develop academic courses and teaching methods.
4. Also Coordination with the Quality unit at the university to follow up on the implementation of the academic program in the departments and faculty.
5. The faculty reviews the program of teaching periodically every four years to improve the teaching program.

Selection of academic staff members

Jobs and appointing faculty members have followed the regulations and instructions by the Ministry of Higher Education, in addition to:

- 1- Members of faculty should be had specialization in specific scientific areas, experience, and high scientific background.
- 2- Members of faculty must be graduated from one of the familiar universities that academically recognized by the Ministry of Higher Education and research.
- 3- Members of faculty should be had quality standards in terms of academic degree, publishing research in international journals with impact factor, literature, English language proficiency, and participating in conferences and workshops.
- 4- Unit of Career in university and faculty should interview the candidate for the job to assess the efficiency of the faculty member applying for the job.
- 5- The faculty will Assess the faculty member's performance during the first year of his/her academic and research duties, then decide to extend the permanent contract or not.

Academic program management requirements

1. Each department has a note board and brochure for the department containing the department's objectives, vision, mission, and plan.
2. The head of a department is chosen according to appropriate academic and administrative experience in the field of specialization to manage and upgrade the academic program of the department.
3. The department must be had a council of department and helper's committees that meet regularly, and document their work and make the decisions.
4. Students participate in the decision-making process for the teaching program and depend on their feedback.
5. The department has an appropriate human resource teaching staff to ensure the proper functioning of the department.
6. The department has some technical staff personnel to serve the academic program.
7. The department and faculty train technical teaching staff and improve professional skills for them in the field of specialization to keep pace with recent developments.
8. The department provides a documentation archive for the department.
9. There is an educational guidance program for new students.
10. There is academic support for students outside the campus.
11. The scientific department is independent to achieve the department's goals.