

**Ministry of Higher Education and Scientific Research  
Department of Supervision and Scientific Evaluation  
Quality Assurance and Academic Accreditation  
Directorate**



## **Description of the academic program**

Ministry of Higher Education and Scientific Research  
Supervision and Scientific Evaluation Authority  
Department of Quality Assurance and Academic Accreditation



**Academic Program Description Form**  
**For Colleges and Institutes**  
**Academic Year : 2025-2026**

University: Al-Qadisiyah

College: Veterinary Medicine

Date of Completion: 2026

Signature:

Assistant Dean for Scientific Affairs: Prof. Dr. Alaa AbdulAziz Abed

Date: / / 2026

Reviewed by:

Division of Quality Assurance and University Performance

Head of the Quality Assurance and University Performance Division:

Asst. Prof. Dr. Saba Falah Khalif

Date: / / 2026

Signature:



Prof. Dr. Muneer Abdulameer Al-Fatlawi

Dean's Approval

## Program Description

This academic program description provides a concise overview of the program's main characteristics and the expected learning outcomes that students are required to achieve, demonstrating whether they have made the most of the available opportunities. It is accompanied by a description of each course within the program.

1. **Educational Institution:** College of Veterinary Medicine
2. **Name of Academic/Professional Program:** Bachelor
3. **Final Degree Awarded:** Bachelor of Veterinary Medicine and Surgery (B.V.Sc. & A.H.)
4. **Study System:** Semester-based  
(*Annual / Credit Hours / polonia* )
5. **Accreditation Program Adopted:**
  - National Council of Colleges of Veterinary Medicine in Iraq
  - European System of Evaluation of Veterinary Training (ESEVT)
  - European Association of Establishments for Veterinary Education (EAEVE)
  - European Coordinating Committee on Veterinary Training (ECCVT)
  - European Board for Veterinary Specialization (EBVS)
  - World Organisation for Animal Health (WOAH)
6. **Other External Influences:** [Not specified]
7. **Date of Program Description Preparation:** 2025–2026
8. Service, in accordance with international quality standards and in alignment with the needs of the local and regional labor market.

## 1. Program Vision

Program vision is written here as stated in the university's catalogue and website.

The college aspires to become a distinguished applied institution among veterinary colleges in Iraq, and to achieve national and international rankings in the field of veterinary medical education.

It also seeks to establish itself as a leading scientific center for research in veterinary fields that serve and develop society, with a commitment to preserving and promoting the health and safety of both animals and humans at the local and international levels.

## 2. Program Mission

Program mission is written here as stated in the university's catalogue and website.

The College of Veterinary Medicine at the University of Al-Qadisiyah strives to prepare highly qualified veterinary professionals in various veterinary medical specialties. It contributes to the preservation of animal resources, human health, and the environment through the use of modern educational methods, scientific research, and community service, in accordance with international quality standards and in alignment with the requirements of the local and regional labor market.

## 3. Program Objectives

General statements describing what the program or institution intends to achieve.

### **Strategic Objectives of the College of Veterinary Medicine:**

1. **Prepare specialized veterinary professionals** capable of diagnosing and treating animal diseases and zoonotic diseases, thereby contributing to the protection of animal resources and public health.
2. **Develop academic curricula** to keep pace with modern scientific advancements in veterinary medical education and achieve integration with reputable international universities.

3. **Enhance the quality of education and learning** to ensure educational outcomes aligned with the needs of the local, regional, and international labor markets.
4. **Promote and support scientific research** in various veterinary fields to advance the veterinary profession and serve the community.
5. **Strengthen the scientific and research environment** by building distinguished relationships in the fields of education, innovation, and scientific research for students and faculty members.
6. **Consolidate academic relations** with counterpart colleges inside and outside Iraq to foster the exchange of expertise and the development of veterinary education.
7. **Provide specialized veterinary services** through the veterinary teaching hospital and actively participate in community awareness programs.
8. **Adopt effective mechanisms for quality assurance** and continuous improvement in institutional and educational performance.

#### 4. Program Accreditation

Does the program have program accreditation? And from which agency?

NOTHING

#### 5. Other external influences

Is there a sponsor for the program?

#### 6. Program Structure

## First Academic year

| No. |                    | Course Title<br>(English)         | Theoretical<br>Hours         | Practical<br>Hours   | Credit<br>Units    | Course<br>Code  |                |
|-----|--------------------|-----------------------------------|------------------------------|----------------------|--------------------|-----------------|----------------|
| 1   | First<br>semester  | General Biology                   | 2                            | -                    | 2                  | VETM101         |                |
| 2   |                    | General Biology – Lab             | -                            | 2                    | 1                  | VETM101         |                |
| 3   |                    | General Chemistry                 | 3                            | -                    | 3                  | VETM102         |                |
| 4   |                    | General Chemistry – Lab           | -                            | 2                    | 1                  | VETM102         |                |
| 5   |                    | Biorisk Management                | 1                            | -                    | 1                  | VETM103         |                |
| 6   |                    | Skeleton Anatomy                  | 2                            | -                    | 2                  | VETM104         |                |
| 7   |                    | Skeleton Anatomy – Lab            | -                            | 3                    | 1.5                | VETM104         |                |
| 8   |                    | Animal Management (1)             | 2                            | -                    | 2                  | VETM105         |                |
| 9   |                    | Animal Management (1) – Practical | -                            | 2                    | 1                  | VETM105         |                |
| 10  |                    | Computer (Theory)                 | 1                            | -                    | 1                  | VETM106         |                |
| 11  |                    | Computer (Practical)              | -                            | 2                    | 1                  | VETM106         |                |
| 12  |                    | Democracy and Human Rights        | 2                            | -                    | 2                  | VETM107         |                |
| 13  |                    | Arabic Language                   | 2                            | -                    | 2                  | VETM108         |                |
| No. |                    | Course Title<br>(Arabic)          | Course<br>Title<br>(English) | Theoretical<br>Hours | Practical<br>Hours | Credit<br>Units | Course<br>Code |
| 1   | Second<br>semester | علم أحياء الخلية                  | Cell Biology                 | 2                    | -                  | 2               | VETM109        |
| 2   |                    | علم أحياء الخلية – مختبر          | Cell Biology – Lab           | -                    | 2                  | 1               | VETM109        |
| 3   |                    | مبادئ الكيمياء العامة             | Basic Chemistry              | 3                    | -                  | 3               | VETM110        |
| 4   |                    | مبادئ الكيمياء العامة – مختبر     | Basic Chemistry – Lab        | -                    | 2                  | 1               | VETM110        |

| No. |  | Course Title<br>(Arabic)   | Course Title<br>(English)          | Theoretical<br>Hours | Practical<br>Hours | Credit<br>Units | Course<br>Code |
|-----|--|----------------------------|------------------------------------|----------------------|--------------------|-----------------|----------------|
| 5   |  | علم التشريح العضلي         | Muscular Anatomy                   | 2                    | -                  | 2               | VETM112        |
| 6   |  | علم التشريح العضلي – مختبر | Muscular Anatomy – Lab             | -                    | 3                  | 1.5             | VETM112        |
| 7   |  | إدارة الحيوان (2)          | Animal Management (2)              | 1                    | -                  | 1               | VETM113        |
| 8   |  | إدارة الحيوان (٢) – عملي   | Animal Management (2) – Practical  | -                    | 2                  | 1               | VETM113        |
| 9   |  | إدارة الدواجن              | Poultry Management                 | 1                    | -                  | 1               | VETM114        |
| 10  |  | إدارة الدواجن – عملي       | Poultry Management – Practical     | -                    | 2                  | 1               | VETM114        |
| 11  |  | اللغة الإنكليزية           | English Language                   | 2                    | -                  | 2               | VETM115        |
| 12  |  | مقدمة في الطاقة المستدامة  | Introduction to Sustainable Energy | 1                    | -                  | 1               | VETM116        |

#### Total Hours and Credit Units:

- Theoretical Hours: 27
- Practical Hours: 22
- Total Credit Units: 73

## Second Academic Year

| Semester           | Course Name<br>(Arabic)      | Course Name<br>(English)  | Theoretical<br>Hours | Practical<br>Hours | Credit<br>Units | Code    |
|--------------------|------------------------------|---------------------------|----------------------|--------------------|-----------------|---------|
| First<br>Semester  | مبادئ علم الانسجة            | Basic Histology           | 2                    | -                  | 2               | VETM201 |
|                    | مبادئ علم الانسجة - مختبر    | Basic Histology - Lab     | -                    | 3                  | 1.5             | VETM201 |
|                    | علم الفسلجة العام            | General Physiology        | 4                    | -                  | 4               | VETM202 |
|                    | علم الفسلجة العام - مختبر    | General Physiology - Lab  | -                    | 2                  | 1               | VETM202 |
|                    | الوراثة                      | Genetics                  | 2                    | -                  | 2               | VETM203 |
|                    | جرائم حزب البعث              | Baath Crimes              | 2                    | -                  | 2               | VETM204 |
|                    | اللغة العربية                | Arabic Language           | 2                    | -                  | 2               | VETM205 |
|                    | التشريح الحشوي               | Visceral Anatomy          | 2                    | -                  | 2               | VETM206 |
|                    | التشريح الحشوي - مختبر       | Visceral Anatomy - Lab    | -                    | 2                  | 1               | VETM206 |
|                    | تغذية الحيوان ١              | Animal Nutrition 1        | 2                    | -                  | 2               | VETM207 |
|                    | تغذية الحيوان ١ - مختبر      | Animal Nutrition 1 - Lab  | -                    | 2                  | 1               | VETM207 |
| Second<br>Semester | الكيمياء الحياتية            | Biochemistry              | 3                    | -                  | 3               | VETM208 |
|                    | الكيمياء الحياتية - مختبر    | Biochemistry - Lab        | -                    | 2                  | 1               | VETM208 |
|                    | تشريح الجهاز العصبي          | Neural Anatomy            | 2                    | -                  | 2               | VETM209 |
|                    | تشريح الجهاز العصبي - مختبر  | Neural Anatomy - Lab      | -                    | 2                  | 1               | VETM209 |
|                    | علم الاجنة البيطري           | Veterinary Embryology     | 1                    | -                  | 1               | VETM210 |
|                    | علم الانسجة الجهازية         | Systemic Histology        | 2                    | -                  | 2               | VETM211 |
|                    | علم الانسجة الجهازية - مختبر | Systemic Histology - Lab  | -                    | 2                  | 1               | VETM211 |
|                    | علم الفسلجة الجهازية         | Systemic Physiology       | 3                    | -                  | 3               | VETM212 |
|                    | علم الفسلجة الجهازية - مختبر | Systemic Physiology - Lab | -                    | 2                  | 1               | VETM212 |
|                    | الاحصاء العام                | General Statistics        | 1                    | -                  | 1               | VETM213 |

| Semester | Course Name (Arabic)    | Course Name (English)    | Theoretical Hours | Practical Hours | Credit Units | Code    |
|----------|-------------------------|--------------------------|-------------------|-----------------|--------------|---------|
|          | الاحصاء التطبيقي        | Applied Statistics       | -                 | 1               | 1            | VETM213 |
|          | الحاسوب ٢ نظري          | Computer 2               | 1                 | -               | 1            | VETM214 |
|          | الحاسوب ٢ عملي          | Computer Lab 2           | -                 | 2               | 1            | VETM214 |
|          | اللغة الانكليزية        | English Language         | 2                 | -               | 2            | VETM215 |
|          | تغذية الحيوان ٢         | Animal Nutrition 2       | 2                 | -               | 2            | VETM216 |
|          | تغذية الحيوان ٢ - مختبر | Animal Nutrition 2 - Lab | -                 | 2               | 1            | VETM216 |

- Theoretical Hours 33
- Practical Hours: 22
- Total Credit Units: 44.5
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### . Third Academic Year

| Semester              | Course Name (Arabic)           | Course Name (English)      | Theoretical Hours | Practical Hours | Credit Units | Code    |
|-----------------------|--------------------------------|----------------------------|-------------------|-----------------|--------------|---------|
| <b>First Semester</b> | علم الطفيليات ١                | Parasitology 1             | 3                 | -               | 3            | VETM301 |
|                       | علم الطفيليات - مختبر ١        | Parasitology 1 - Lab       | -                 | 2               | 1            | VETM301 |
|                       | علم الادوية العام              | General Pharmacology       | 3                 | -               | 3            | VETM302 |
|                       | علم الادوية العام مختبر        | General Pharmacology Lab   | -                 | 2               | 1            | VETM302 |
|                       | علم المناعة البيطري            | Veterinary Immunology      | 2                 | -               | 2            | VETM303 |
|                       | علم المناعة البيطري مختبر      | Veterinary Immunology Lab  | -                 | 2               | 1            | VETM303 |
|                       | علم الاحياء المجهرية العام ١   | General Microbiology       | 3                 | -               | 3            | VETM304 |
|                       | علم الاحياء المجهرية - مختبر ١ | General Microbiology - Lab | -                 | 2               | 1            | VETM304 |
|                       | علم الامراض العام ١            | General Pathology          | 3                 | -               | 3            | VETM305 |
|                       | علم الامراض العام ١ - مختبر    | General Pathology - Lab    | -                 | 3               | 1.5          | VETM305 |

| Semester               | Course Name (Arabic)           | Course Name (English)        | Theoretical Hours | Practical Hours | Credit Units | Code    |
|------------------------|--------------------------------|------------------------------|-------------------|-----------------|--------------|---------|
|                        | علم السموم البيطرية            | Veterinary Toxicology        | 2                 | -               | 2            | VETM306 |
| <b>Second Semester</b> | علم الطفيليات ٢                | Parasitology 2               | 3                 | -               | 3            | VETM307 |
|                        | علم الطفيليات - ٢ مختبر        | Parasitology 2 - Lab         | -                 | 2               | 1            | VETM307 |
|                        | علم الادوية ٢                  | Pharmacology 2               | 3                 | -               | 3            | VETM308 |
|                        | علم الادوية ٢ مختبر            | Pharmacology 2 Lab           | -                 | 2               | 1            | VETM308 |
|                        | سريريات بيطرية                 | Veterinary Clinic            | -                 | 2               | 1            | VETM309 |
|                        | علم الاحياء المجهرية العام ٢   | General Microbiology 2       | 3                 | -               | 3            | VETM310 |
|                        | علم الاحياء المجهرية - مختبر ٢ | General Microbiology 2 - Lab | -                 | 2               | 1            | VETM310 |
|                        | علم الفيروسات البيطري          | Veterinary Virology          | 2                 | -               | 2            | VETM311 |
|                        | علم الفيروسات البيطري مختبر    | Veterinary Virology Lab      | -                 | 2               | 1            | VETM311 |
|                        | علم الامراض العام ٢            | Pathology 2                  | 3                 | -               | 3            | VETM312 |
|                        | علم الامراض العام ٢ - مختبر    | Pathology 2 - Lab            | -                 | 3               | 1.5          | VETM312 |

#### Total Hours and Credit Units:

- Theoretical Hours: 30
- Practical Hours: 24
- Total Credit Units: 42

## Fourth academic stage

| Semester              | Course Name<br>(Arabic)                      | Course Name<br>(English)                            | Theoretical<br>Hours | Practical<br>Hours | Credit<br>Units | Code    |
|-----------------------|----------------------------------------------|-----------------------------------------------------|----------------------|--------------------|-----------------|---------|
| <b>First Semester</b> | الطب الباطني<br>للجهاز الهضمي                | Gastroenterology<br>Medicine                        | 3                    | -                  | 3               | VETM401 |
|                       | الامراض المعدية<br>للمجترات                  | Ruminant Infectious<br>Diseases                     | 2                    | -                  | 2               | VETM402 |
|                       | التشريح المرضي<br>١                          | Anatomical Pathology                                | 1                    | -                  | 1               | VETM403 |
|                       | التشريح المرضي<br>مختبر ١                    | Anatomical Pathology<br>Lab                         | -                    | 2                  | 1               | VETM403 |
|                       | امراض الدواجن<br>المعدية                     | Infectious Poultry<br>Diseases                      | 2                    | -                  | 2               | VETM404 |
|                       | امراض الدواجن<br>التطبيقي                    | Poultry Diseases -<br>Practice                      | -                    | 2                  | 1               | VETM405 |
|                       | الجراحة البيطري<br>العام ١                   | General Veterinary<br>Surgery 1                     | 3                    | -                  | 3               | VETM406 |
|                       | الجراحة البيطري<br>العام التطبيقي ١          | General Veterinary<br>Surgery - Practical 1         | -                    | 2                  | 1               | VETM407 |
|                       | التشخيصات<br>المرضية                         | Clinical Pathology                                  | 1                    | -                  | 1               | VETM408 |
|                       | التشخيصات<br>المرضية- مختبر                  | Clinical Pathology Lab                              | -                    | 2                  | 1               | VETM409 |
|                       | الوبائية                                     | Epidemiology                                        | 1                    | -                  | 1               | VETM410 |
|                       | خصوبة الاناث<br>والامراض<br>التناسلية        | Female Fertility &<br>Genital Diseases              | 2                    | -                  | 2               | VETM411 |
|                       | خصوبة الاناث<br>والامراض<br>التناسلية تطبيقي | Female Fertility &<br>Genital Diseases<br>Practical | -                    | 2                  | 1               | VETM411 |
|                       | التطبيق البيطري<br>١                         | Clinical Practice 1                                 | -                    | 4                  | 2               | VETM4   |

| Semester           | Course Name<br>(Arabic)                          | Course Name<br>(English)                            | Theoretical<br>Hours | Practical<br>Hours | Credit<br>Units | Code    |
|--------------------|--------------------------------------------------|-----------------------------------------------------|----------------------|--------------------|-----------------|---------|
| First<br>Semester  | الطب الباطني<br>للجهاز الهضمي                    | Gastroenterology<br>Medicine                        | 3                    | -                  | 3               | VETM401 |
|                    | الامراض المعدية<br>للمجترات                      | Ruminant Infectious<br>Diseases                     | 2                    | -                  | 2               | VETM402 |
|                    | التشريح المرضي ١                                 | Anatomical<br>Pathology                             | 1                    | -                  | 1               | VETM403 |
|                    | التشريح المرضي<br>مختبر ١                        | Anatomical<br>Pathology Lab                         | -                    | 2                  | 1               | VETM403 |
|                    | امراض الدواجن<br>المعدية                         | Infectious Poultry<br>Diseases                      | 2                    | -                  | 2               | VETM404 |
|                    | امراض الدواجن<br>التطبيقي                        | Poultry Diseases -<br>Practice                      | -                    | 2                  | 1               | VETM405 |
|                    | الجراحة البيطري<br>العام ١                       | General Veterinary<br>Surgery 1                     | 3                    | -                  | 3               | VETM406 |
|                    | الجراحة البيطري<br>العام التطبيقي ١              | General Veterinary<br>Surgery - Practical 1         | -                    | 2                  | 1               | VETM407 |
|                    | التشخيصات<br>المرضية                             | Clinical Pathology                                  | 1                    | -                  | 1               | VETM408 |
|                    | التشخيصات<br>المرضية- مختبر                      | Clinical Pathology<br>Lab                           | -                    | 2                  | 1               | VETM409 |
|                    | الوبائية                                         | Epidemiology                                        | 1                    | -                  | 1               | VETM410 |
|                    | خصوبة الاناث<br>والامراض التناسلية               | Female Fertility &<br>Genital Diseases              | 2                    | -                  | 2               | VETM411 |
|                    | خصوبة الاناث<br>والامراض التناسلية<br>تطبيقي     | Female Fertility &<br>Genital Diseases<br>Practical | -                    | 2                  | 1               | VETM411 |
|                    | التطبيق البيطري ١                                | Clinical Practice 1                                 | -                    | 4                  | 2               | VETM412 |
|                    | طب الجهاز التنفسي<br>والعصبي<br>والامراض الجلدية | Respiratory and<br>Neural Medicine /<br>Dermatology | 3                    | -                  | 3               | VETM413 |
| Second<br>Semester | الجراحة ٢                                        | Vet Surgery 2                                       | 3                    | -                  | 3               | VETM414 |
|                    | الجراحة ٢                                        | Vet Surgery Lab 2                                   | -                    | 2                  | 1               | VETM414 |
|                    | التشريح المرضي ٢                                 | Post Mortem<br>Pathology                            | 1                    | -                  | 1               | VETM415 |
|                    | التشريح المرضي ٢                                 | Post Mortem<br>Pathology Lab                        | -                    | 2                  | 1               | VETM415 |
|                    | امراض الدواجن<br>غير المعدية                     | Non-infectious<br>Poultry Diseases                  | 2                    | -                  | 2               | VETM416 |

| Semester | Course Name (Arabic)                                            | Course Name (English)                          | Theoretical Hours | Practical Hours | Credit Units | Code    |
|----------|-----------------------------------------------------------------|------------------------------------------------|-------------------|-----------------|--------------|---------|
|          | امراض الدواجن غير المعدية                                       | Non-infectious Poultry Diseases Lab            | -                 | 2               | 1            | VETM416 |
|          | التوليد البيطري                                                 | Obstetrics                                     | 2                 | -               | 2            | VETM417 |
|          | التوليد البيطري - مختبر                                         | Obstetrics Lab                                 | -                 | 2               | 1            | VETM417 |
|          | التشخيصات المرضية (الاحياء المجهرية و الطفيليات السريرية)       | Clinical Pathology                             | 1                 | -               | 1            | VETM418 |
|          | التشخيصات المرضية (الاحياء المجهرية و الطفيليات السريرية) مختبر | Clinical Pathology Lab                         | -                 | 2               | 1            | VETM418 |
|          | الامراض المشتركة                                                | Zoonotic Disease                               | 2                 | -               | 2            | VETM419 |
|          | الامراض المعدية الفيروسية و الفطرية و الطفيلية                  | Infectious Diseases (Viral, Fungal, Parasitic) | 3                 | -               | 3            | VETM420 |
|          | التطبيق البيطري ٢                                               | Clinical Practice 2                            | -                 | 4               | 2            | VETM421 |

- Theoretical Hours: 32
- Practical Hours: 16
- Total Credit Units: 46

### Fifth Academic Year – Summer

| Semester       | Course Name (Arabic)                       | Course Name (English)                     | Theoretical Hours | Practical Hours | Credit Units | Code    |
|----------------|--------------------------------------------|-------------------------------------------|-------------------|-----------------|--------------|---------|
| First Semester | الجراحة ١                                  | Animal Surgery 1                          | 2                 | -               | 2            | VETM501 |
|                | الجراحة ١ – تطبيقي                         | Animal Surgery – 1 Practical              | -                 | 2               | 1            | VETM501 |
|                | المشاريع البحثية ١                         | Research Project 1                        | 1                 | -               | 1            | VETM502 |
|                | الطب الباطني (امراض الايض و النقص الغذائي) | Metabolic and Nutrition Disorder Medicine | 3                 | -               | 3            | VETM503 |
|                | صحة اللحوم                                 | Meat Hygiene                              | 2                 | -               | 2            | VETM504 |

| Semester        | Course Name (Arabic)                                                | Course Name (English)                      | Theoretical Hours | Practical Hours | Credit Units | Code    |
|-----------------|---------------------------------------------------------------------|--------------------------------------------|-------------------|-----------------|--------------|---------|
|                 | صحة اللحوم عملي                                                     | Meat Hygiene Lab                           | -                 | 2               | 1            | VETM504 |
|                 | امراض الاسماك                                                       | Fish Diseases                              | 2                 | -               | 2            | VETM505 |
|                 | امراض الاسماك- مختبر                                                | Fish Diseases Lab                          | -                 | 2               | 1            | VETM505 |
|                 | خصوبة الذكور والتلقيح الصناعي                                       | Male Fertility and Artificial Insemination | 1                 | -               | 1            | VETM506 |
|                 | خصوبة الذكور والتلقيح الصناعي- مختبر                                | Male Fertility and AI Lab                  | -                 | 2               | 1            | VETM506 |
|                 | سريريات                                                             | Clinic                                     | -                 | 14              | 7            | VETM507 |
| Second Semester | جراحة ٢                                                             | Small Animal Surgery                       | 2                 | -               | 2            | VETM508 |
| Second Semester | جراحة ٢- تطبيقي                                                     | Small Animal Surgery – Practical           | -                 | 2               | 1            | VETM508 |
|                 | الطب الباطني (امراض الجهاز القلبي و العصبي و البولي و امراض التسمم) | Veterinary Medicine                        | 3                 | -               | 3            | VETM509 |
|                 | تقانات التكاثر                                                      | Reproductive Biotechnology                 | 1                 | -               | 1            | VETM510 |
|                 | تقانات التكاثر مختبر                                                | Reproductive Biotechnology Lab             | -                 | 2               | 1            | VETM510 |
|                 | صحة الحليب                                                          | Milk Hygiene                               | 2                 | -               | 2            | VETM511 |
|                 | صحة الحليب – مختبر                                                  | Milk Hygiene Lab                           | -                 | 2               | 1            | VETM511 |
|                 | سريريات                                                             | Clinic                                     | -                 | 12              | 6            | VETM512 |
|                 | مشاريع بحث ٢                                                        | Research Projects                          | -                 | 2               | 1            | VETM513 |
|                 | طب عدلي                                                             | Forensic Medicine                          | 1                 | -               | 1            | VETM514 |
|                 | التطبيق البيطري الصيفي                                              |                                            |                   |                 |              |         |

#### Total Hours and Credit Units (Fifth Academic Year):

- Theoretical Hours: 21
- Practical Hours: 48
- Total Credit Units: 45

#### 1. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in the implementation of the program in general.

#### **A. Cognitive Objectives**

- **A-1:** Enabling students to acquire clinical diagnostic skills.
- **A-2:** Equipping students with fundamental knowledge and basic sciences related to animal science.
- **A-3:** Developing students' scientific abilities in examining animal products.
- **A-4:** Providing students with knowledge of zoonotic diseases and methods for controlling epidemic diseases.
- **A-5:** Enhancing the professional performance of veterinarians and developing their skills in communication, decision-making, and awareness of contemporary scientific and technical issues in the field of veterinary medicine.

#### **Program Skills Objectives**

- **B-1:** Enhancing the scientific competencies of the veterinarian.
- **B-2:** Improving the professional competencies of the veterinarian.
- **B-3:** Developing the clinical and diagnostic skills of the veterinarian.

### **Professional Development**

#### **Mentoring new faculty members**

Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.

#### **Professional development of faculty members**

#### **Methods of Teaching and Learning**

1. Theoretical, practical, and clinical lectures.
2. Practical and clinical training.
3. Preparation of scientific research and reports.
4. Extra-curricular training and activities

## **2. Acceptance Criterion**

**(Setting regulations related to enrollment in the college or institute, whether central admission or others)**

### **Admission Criteria**

Admission to the College/Institute of Veterinary Medicine is regulated according to the rules and regulations of the Ministry of Higher Education and Scientific Research, and includes the following:

#### **1. Academic Requirements**

- Possession of a preparatory school certificate (scientific/biological branch) or an equivalent recognized qualification.
- Meeting the competitive average determined by the Ministry for admission to the college/institute.

#### **2. Specific Requirements**

- Passing the medical examination to ensure physical and health fitness for practicing the veterinary profession.
- Having sound senses (particularly vision and hearing) and the ability to handle animals.
- Passing the personal interview, if required.

#### **3. Selection Mechanism**

- Admission is carried out centrally by the Ministry of Higher Education and Scientific Research according to student average and preference.
- Special seats are allocated for categories entitled to special admission (top students, families of martyrs, students with disabilities) according to current regulations.

#### **4. Capacity**

- Admission is limited to the annual quotas determined by the Ministry, in accordance with the human and material resources of the college/institute.

## **3. The most important sources of information about the program**

State briefly the sources of information about the program.

European Coordinating Committee on Veterinary Training (ECCVT)  
European Board for Veterinary Specialization" (EBVS)  
World Organization of Animal Health (WOAH)

#### 4. Program Development Plan

##### 5. **Enhancing the educational environment and utilizing information technology to improve the quality of education**

*Implementation:* This will be achieved through the development of buildings and laboratories, equipping classrooms with educational resources and smart devices, and the adoption of e-learning.

##### 6. **Improving the academic performance of faculty members and advancing their scientific, research, pedagogical, and professional capacities within the framework of total quality assurance**

*Implementation:* This will be carried out through faculty training programs and the use of feedback mechanisms to identify shortcomings and address them.

##### 7. **Developing scientific research to contribute to solving societal problems and launching a business incubator within the college to support entrepreneurial projects**

*Implementation:* This will be achieved through twinning agreements with colleges at local, Arab, and international universities, research cooperation agreements with local and global institutions, and benefiting from the activities of international organizations to provide research funding.

##### 8. **Strengthening communication and collaboration with the private sector to provide job opportunities for graduates**

*Implementation:* This will be realized by involving the private sector in managing the academic program to ensure outcomes that align with labor market requirements.

##### 9. **Supporting and developing student activities as well as fostering talented students**

*Implementation:* This includes activating and monitoring specialized units, expanding sports and arts facilities, supporting and motivating talented students, honoring them, and enabling students to acquire intellectual skills.

##### 10. **Increasing the enrollment of international students and attracting them to the program**

*Implementation:* This will be achieved by allocating 5% of undergraduate seats and 1% of postgraduate seats, offering free scholarships, providing suitable housing, and facilitating admission and residency procedures.

##### 11. **Supporting clinical and practical services to serve the community and animal breeders**

*Implementation:* This will be achieved by establishing a teaching hospital, facilitating the

work of administrative units and advisory offices to provide veterinary services, and organizing campaigns for the treatment, vaccination, and immunization of animals.

### **Methods of Assessment**

1. Daily quizzes.
  2. Midterm and final examinations.
  3. Practical and clinical examinations.
  4. Evaluation of class participation.
  5. Assessment through preparation of reports and seminars.
- 

### **C. Affective Objectives and Values**

- **C-1:** Ability to analyze.
  - **C-2:** Developing students' ability to use technological tools.
  - **C-3:** Enhancing students' capacity for dialogue and discussion.
  - **C-4:** Developing applied/practical abilities.
  - **C-5:** Instilling self-confidence in students to practice their profession.
  - **C-6:** Fostering professional ethics.
- 

### **D. General and Transferable Skills**

(Other skills related to employability and personal development)

- **D-1:** Teamwork in scientific laboratories.
  - **D-2:** Ability to guide and motivate others to perform tasks and propose topics.
  - **D-3:** Conducting productive scientific research.
  - **D-4:** Developing students' capacity for self-learning.
-

| Curriculum Skills Map                                                                             |                |                      |                                       |                                |    |    |    |                            |    |    |    |                 |    |    |    |                                                                                                                        |    |    |    |
|---------------------------------------------------------------------------------------------------|----------------|----------------------|---------------------------------------|--------------------------------|----|----|----|----------------------------|----|----|----|-----------------|----|----|----|------------------------------------------------------------------------------------------------------------------------|----|----|----|
| please tick in the relevant boxes where individual Programme Learning Outcomes are being assessed |                |                      |                                       |                                |    |    |    |                            |    |    |    |                 |    |    |    |                                                                                                                        |    |    |    |
|                                                                                                   |                |                      |                                       | Programme Learning Outcomes    |    |    |    |                            |    |    |    |                 |    |    |    |                                                                                                                        |    |    |    |
| Year /<br>Level                                                                                   | Course<br>Code | Course<br>Title      | Core (C)<br>Title or<br>Option<br>(O) | Knowledge and<br>unders anding |    |    |    | Subject-specific<br>skills |    |    |    | Thinking Skills |    |    |    | General and<br>Transferable<br>Skills (or) Other skills<br>relevant to<br>employability<br>and personal<br>development |    |    |    |
|                                                                                                   |                |                      |                                       | A1                             | A2 | A3 | A4 | B1                         | B2 | B3 | B4 | C1              | C2 | C3 | C4 | D1                                                                                                                     | D2 | D3 | D4 |
| First                                                                                             | VETM105        | Animal<br>Management | C                                     | x                              |    |    |    |                            | x  |    |    |                 | x  |    |    |                                                                                                                        | x  |    |    |

|       |         |                            |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |  |   |
|-------|---------|----------------------------|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|--|---|
| First | VETM113 | Animal Management          | C | x |   |   |  |   | x |   |  |   | x |   |  |   | x |  |   |
| First | VETM114 | Poultry Management         | C | x |   |   |  |   | x |   |  |   | x |   |  |   | x |  |   |
| First | VETM106 | Computer pant              | C |   |   | X |  |   |   | X |  |   |   | x |  |   |   |  | x |
| First | VETM107 | Democracy and Human Rights | C |   |   | x |  |   |   | X |  |   |   | X |  |   |   |  | X |
| First |         | rutting Language           | C |   |   | X |  |   |   | X |  |   |   | X |  |   |   |  | X |
| First | VETM112 | Anatomy part1              | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |  |   |
| First | VETM104 | .Anatomy part2             | C | x |   |   |  | x |   |   |  | X |   |   |  | X |   |  |   |
| First | VETM101 | Biology part1              | C |   | x |   |  |   | x |   |  |   | x |   |  |   | x |  |   |
| First | VETM109 | Biology part2              | C |   | x |   |  |   | X |   |  |   | X |   |  |   | x |  |   |

|        |         |                       |   |  |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |
|--------|---------|-----------------------|---|--|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|
| First  | VETM108 | Arable Language       | C |  |   |   | x |  |   |   | X |  |   |   | X |  |   |   | X |
| First  | VETM103 | Biosafety             | C |  |   |   | x |  |   |   | X |  |   |   | X |  |   |   | X |
| First  | VETM110 | General Chemistry     | C |  |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |
| First  | VETM102 | General Chemists      | C |  |   | X |   |  |   | X |   |  |   | X |   |  |   | X |   |
| Second | VETM209 | Anatomy part 2        | C |  | X |   |   |  | X |   |   |  | X |   |   |  | X |   |   |
| Second | VETM206 | Venial Anatomy part 1 | C |  | x |   |   |  | x |   |   |  | x |   |   |  | x |   |   |
| Second | VETM201 | Histology part 2      | C |  | x |   |   |  | x |   |   |  | x |   |   |  | x |   |   |
| Second | VETM211 | 1 II Histology pan 1  | C |  | x |   |   |  | x |   |   |  | x |   |   |  | x |   |   |

|        |         |                       |   |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |
|--------|---------|-----------------------|---|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|
| Second | VETM210 | EMBRIOLGY             | C |   |   | x |   |  |   | X |   |  |   | X |   |  | X |   |
| Second | VETM203 | Geneties              | C |   | X |   |   |  | X |   |   |  | X |   |   |  | X |   |
| Second | VETM213 | Statistics            | C |   |   |   | x |  |   |   | X |  |   |   | X |  |   | x |
| Second | VETM212 | Physiology part 2     | C |   | x |   |   |  | X |   |   |  | X |   |   |  | X |   |
| Second | VETM202 | Physiology part I     | C |   | x |   |   |  | X |   |   |  | X |   |   |  | X |   |
| Second |         | .oehemidry part 1 III | C | x |   |   |   |  | X |   |   |  | X |   |   |  | X |   |
| Second | VETM208 | Biochemistry part 2   | C | x |   |   |   |  | X |   |   |  | X |   |   |  | X |   |
| Third  | VETM304 | General Microbiology  | C | x |   |   |   |  | x |   |   |  | x |   |   |  | x |   |
| Third  |         | Special Microbiology  | C | x |   |   |   |  | x |   |   |  | x |   |   |  | x |   |
| Third  | VETM311 | virology              | C |   | X |   |   |  | x |   |   |  | X |   |   |  | X |   |
| Third  |         | %indult.              | C |   |   |   | x |  |   |   | x |  |   |   | X |  |   | X |
| Third  | VETM312 | General Pathology     | C | x |   |   |   |  | x |   |   |  | x |   |   |  | x |   |
| Third  |         | Special Pathology     | C | x |   |   |   |  | x |   |   |  | x |   |   |  | x |   |
| Third  | VETM309 | ' CLINIC              | C | x |   |   |   |  | x |   |   |  | x |   |   |  | x |   |
| Third  | VETM306 | TOXICOLOGY            | C |   |   |   | X |  |   |   | X |  |   |   | X |  |   | X |
| Third  | VETM301 | Parasitology          | C |   | X |   |   |  | X |   |   |  | X |   |   |  | X |   |

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|--------|---------|----------------------|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|
| Third  |         | PROTOZOA             | C |   | x |   |  |   | x |   |  |   | x |   |  |   | x |   |  |
| Third  | VETM308 | Pharmacology         | C |   | x |   |  |   | X |   |  |   | x |   |  |   | x |   |  |
| Fourth | VETM403 | Morbid Anatomy I     | C |   |   | X |  |   |   | X |  |   |   | X |  |   |   | x |  |
| Fourth |         | Morbid Anatomy 2     | C |   |   | x |  |   |   | X |  |   |   | X |  |   |   | X |  |
| Fourth | VETM405 | Poultry Discases1    | C | x |   |   |  | x |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Poultry Diseases2    | C | X |   |   |  | X |   |   |  | X |   |   |  |   | x |   |  |
| Fourth |         | CLINIC I             | C | x |   |   |  | x |   |   |  | x |   |   |  |   | x |   |  |
| Fourth |         | CLINIC I             | C | x |   |   |  | x |   |   |  | x |   |   |  |   | x |   |  |
| Fourth | VETM404 | Infectious Disease I | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fourth |         | Infectious Disease I | C |   | X |   |  |   | X |   |  |   | X |   |  |   | X |   |  |

|        |         |                      |   |   |   |  |  |   |   |  |  |   |   |  |  |   |   |  |  |
|--------|---------|----------------------|---|---|---|--|--|---|---|--|--|---|---|--|--|---|---|--|--|
| Fourth | VETM410 | Epidemiological      | C | x |   |  |  | X |   |  |  | X |   |  |  | X |   |  |  |
| Fourth | VETM408 | Clinical Pathology 1 | C |   | x |  |  |   | X |  |  |   | X |  |  |   | X |  |  |
| Fourth |         | Clinical Pathology 2 | C |   | x |  |  |   | X |  |  |   | X |  |  |   | X |  |  |
| Fourth | VETM401 | Internal Medicine 1  | C | x |   |  |  | X |   |  |  | x |   |  |  | x |   |  |  |

|        |         |                         |   |   |   |   |  |   |   |   |  |   |   |   |  |   |   |   |  |
|--------|---------|-------------------------|---|---|---|---|--|---|---|---|--|---|---|---|--|---|---|---|--|
| Fourth |         | Internal Medicine 2     | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth | VETM419 | Zoonotic Diseases       | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Female Fertility        | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fourth | VETM414 | Surgery 1               | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Surgery 2               | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Clinic I                | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Clinic 2                | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fourth |         | Artificial Insemination | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fourth |         | Reproductive            | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fifth  | VETM501 | Surgery 1               | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fifth  |         | Surgery 2               | C | x |   |   |  | x |   |   |  | x |   |   |  | x |   |   |  |
| Fifth  | VETM513 | Research Projects       | C |   |   | x |  |   |   | X |  |   |   | x |  |   |   | x |  |
| Fifth  | VETM505 | Fish Diseases           | C |   | x |   |  |   | X |   |  |   | x |   |  |   | X |   |  |
| Fifth  | VETM514 | Forensic Pathology      | C |   |   | x |  |   |   | X |  |   |   | X |  |   |   | X |  |
| Fifth  | VETM504 | Meat Hygiene            | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fifth  | VETM511 | Milk Hygiene            | C |   | x |   |  |   | X |   |  |   | X |   |  |   | X |   |  |
| Fifth  |         | Veterinary Ethics       | C |   |   | x |  |   |   | X |  |   |   | X |  |   |   | x |  |
| Fifth  |         | Internal Medicine 1     | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fifth  |         | Internal Medicine 2     | C | x |   |   |  | X |   |   |  | X |   |   |  | X |   |   |  |
| Fifth  | VETM507 | Summer CLINIC           | C |   |   | x |  |   |   | X |  |   |   | X |  |   |   | X |  |

