



## Academic Program Description Form

**University Name:** University of Mosul

**Faculty/Institute:** College of Veterinary Medicine

**Scientific Department:** College of Veterinary Medicine

**Academic or Professional Program Name:** Bachelor in Veterinary Medicine and Surgery

**Final Certificate Name:** Bachelor in Veterinary Medicine and Surgery

**Academic System:** Semesters

**Description Preparation Date:** 1/9/2025

**File Completion Date:** : 1/9/2025

**Signature:**

**Head of Department Name:** Saevan Saad Al-Mahmmod

**Date:** 1/9/2025

**Signature:**

**Scientific Associate Name:** Mohammad Osamah Dahl

**Date:** 1/9/2025

**The file is checked by:**

**Department of Quality Assurance and University Performance**

**Director of the Quality Assurance and University Performance Department:**

**Ammar Mahmood Ahmed Al-Aalim**

**Date:** 1/9/2025

**Signature:**



**Approval of the Dean**

**Saevan Saad Al-Mahmmod**

### **1. Program Vision**

Excellence and creativity in the field of veterinary sciences in accordance with international standards and leadership in veterinary education and scientific research to ensure animal health and livestock development with a healthy environment.

### **2. Program Mission**

Preparing graduates of veterinarians and scientific staff specialized in medical sciences and veterinary surgery to contribute to the prevention of diseases of animals, the diagnosis and treatment of diseases, the preservation and development of livestock, as well as the fight against common diseases and environmental pollution.

### **3. Program Objectives**

1. Teaching the students various medical sciences and veterinary surgery during five consecutive years.
2. Providing clinical services by faculty professors and with the participation of students in the diagnosis and treatment of animal diseases.
3. Providing advice to animal owners, livestock projects and poultry farming on the best ways to manage, develop and improve animal projects.
4. Maintaining human health by controlling common diseases that are transmitted from animals to humans.
5. Holding continuing education courses in various specialties of veterinary medicine for veterinarians to increase and develop their scientific and clinical information to serve the community.
6. Conducting scientific research in various fields of veterinary medicine and working to solve the problems facing livestock in the country.
7. Developing and graduating a qualified scientific cadre for teaching and scientific research in various veterinary specialties.
8. Improving the environment by controlling environmental pollution, which reflects positively on human health.

### **4. Program Accreditation**

No

## 5. Other external influences

There is no external sponsor.

## 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	5	10	7%	Basic
College Requirements	64	266	91%	Basic
Department Requirements	-	-	-	-
Summer Training	1	15	1.4%	Basic
Other	-	-	-	-

\* This can include notes whether the course is basic or optional.

## 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical	Practical
First Year First Semester Polonga Process	<a href="#">UOM102</a>	English language	2	-
	<a href="#">UOM104</a>	Democracy and Human Rights	2	-
	<a href="#">VET101</a>	General Biology	3	2
	<a href="#">VET102</a>	Skeleton Anatomy	3	3
	<a href="#">VET103</a>	Animal Management	3	2
	<a href="#">VET104</a>	Biorisk Management	1	-
First Year Second Semester Polonga Process	<a href="#">UOM101</a>	Arabic language	2	-
	<a href="#">UOM103</a>	Computer	2	2
	<a href="#">VET105</a>	General Chemistry	2	2
	<a href="#">VET106</a>	Muscular Anatomy	3	3
	<a href="#">VET107</a>	Animal Husbandry	2	-
	<a href="#">VET108</a>	Poultry Management	1	2
Second Year First Semester Polonga Process	<a href="#">UOM205</a>	Ba 'ath regime crimes	2	2
	<a href="#">VET201</a>	Visceral Anatomy	2	2
	<a href="#">VET202</a>	Basic Histology	3	2
	<a href="#">VET203</a>	General Physiology	2	3

	<a href="#">VET204</a>	Basic Biochemistry	4	2
	<a href="#">VET205</a>	Animal Nutrition	2	-
	<a href="#">UOM1032</a>	Computer	2	2
Second Year Second Semester Polonga Process	<a href="#">VET206</a>	Neural and vascular Anatomy	2	2
	<a href="#">VET207</a>	Biochemistry	2	2
	<a href="#">VET208</a>	Systemic Histology and Embryology	3	2
	<a href="#">VET209</a>	Systemic Physiology	2	3
	<a href="#">VET210</a>	Applied Statistics	4	2
	<a href="#">UOM1012</a>	Arabic language	2	-
	<a href="#">UOM1022</a>	English language	2	-
Third Year First Semester	<a href="#">VEM3104</a>	General Microbiology	3	2
	<a href="#">VED3100</a>	General Pathology	3	3
	<a href="#">VEM3102</a>	Helminthology	3	2
	<a href="#">VEM3115</a>	Immunology	2	2
	<a href="#">VEP3101</a>	Pharmacology - 1	3	2
	<a href="#">VEH3116</a>	Toxicology	2	-
Third Year Second Semester	<a href="#">VEM3122</a>	Protozoa and Arthropod	3	2
	<a href="#">VEM3124</a>	Special Microbiology	3	2
	<a href="#">VED3120</a>	Systemic Pathology	3	3
	<a href="#">VEP3121</a>	Pharmacology - 2	3	2
	<a href="#">VEM3126</a>	Virology	2	2
	<a href="#">VEC3127</a>	Veterinary Clinic	-	2
Fourth Year First Semester	<a href="#">VED4119</a>	Clinical Pathology - 1	1	2
	<a href="#">VED4113</a>	Female Fertility	2	2
	<a href="#">VED4117</a>	Infectious Diseases - 1	3	-
	<a href="#">VED4110</a>	Internal Medicine - 1	3	-
	<a href="#">VED4111</a>	Morbid Anatomy - 1	1	2
	<a href="#">VED4114</a>	Poultry Diseases - 1	2	2
	<a href="#">VED4115</a>	Surgery - 1	3	2
	<a href="#">VEC4112</a>	Veterinary Clinic - 1	-	4
Fourth Year Second Semester	<a href="#">VED4127</a>	Clinical Pathology - 2	1	2
	<a href="#">VED4126</a>	Infectious Diseases - 2	3	-
	<a href="#">VED4128</a>	Internal Medicine - 2	3	-
	<a href="#">VED4121</a>	Morbid Anatomy - 2	1	2
	<a href="#">VED4124</a>	Poultry Diseases - 2	2	2
	<a href="#">VED4125</a>	Surgery - 2	3	2
	<a href="#">VEC4123</a>	Veterinary Clinic - 2	-	4
	<a href="#">VED4122</a>	Veterinary Obstetrics	2	2

	<a href="#">VED4107</a>	Zoonotic Diseases	2	-
Fifth Year First Semester	<a href="#">VED5110</a>	Fish Diseases	2	2
	<a href="#">VED5113</a>	Internal Medicine - 1	3	-
	<a href="#">VEC5111</a>	Male Fertility	1	2
	<a href="#">VEH5114</a>	Meat Hygiene	2	2
	<a href="#">VEC5115</a>	Surgery - 1	2	2
	<a href="#">VEC5112</a>	Veterinary Clinic - 1	-	14
	Fifth Year Second Semester	<a href="#">VED5120</a>	Internal Medicine - 2	3
<a href="#">VEH5121</a>		Milk Hygiene	2	2
<a href="#">VEC5117</a>		Reproductive Biotechnology	1	2
<a href="#">VEC5123</a>		Surgery - 2	2	2
<a href="#">VEC5118</a>		Veterinary Clinic - 2	-	12
<a href="#">VEC5119</a>		Veterinary Ethics	1	-
<a href="#">VED5122</a>		Veterinary Forensic Medicine	1	-
<a href="#">VEC5125</a>		Research Projects	1	1
	<a href="#">VEC5109</a>	Summer Clinic	-	15

## 8. Expected learning outcomes of the program

Knowledge	
<b>A1.</b>	Knowledge of the basic anatomy of animals.
<b>A2.</b>	Knowledge of animal production and animal husbandry.
<b>A3.</b>	Knowledge of animal diseases and their causes.
<b>A4.</b>	Knowledge of animal treatment and preventing diseases.
Skills	
<b>B1.</b>	Find out the methods of administration of the medication in various animals; orally and intramuscular, subcutaneous or intravenous injection.
<b>B2.</b>	Knowledge of surgical operation techniques.
<b>B3.</b>	Examining the dead animals, conducting a pathological autopsy and taking
<b>B4.</b>	Knowledge of pregnancy diagnosis and obstetrics in farm animals.
Ethics	
<b>C1.</b>	Deal sincerely with animal breeders, professional colleagues and competent authorities.

<b>C2.</b>	Work professionally with respect to the professional and legal responsibilities of the veterinarian and understand and apply the laws on the ethics of the veterinary profession.
<b>C3.</b>	Not to be affected by economic and emotional pressures when making decisions.
<b>C4.</b>	Provide emergency care for all kinds of animals.

### 9. Teaching and Learning Strategies

- Theoretical lectures.
- Practical work in laboratory.
- Practical classes utilizing live animals.
- Practice in the University Veterinary Clinic.

### 10. Evaluation methods

- Written Examination.
- Practical Examination.
- Objective Structured Practical Veterinary examination (OSPVE).

### 11. Faculty

#### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor	Vet. Med. Surgery	Vet. Microbiology			4	
	Vet. Med. Surgery	Vet. Pharmacology			4	
	Vet. Med. Surgery	Vet. Pathology			3	
	Vet. Med. Surgery	Vet. Obstetrics			2	

	Vet. Med. Surgery	Vet. Surgery			2	
	Vet. Med. Surgery	Vet. Public Health			3	
	Vet. Med. Surgery	Vet. Medicine			3	
	Vet. Med. Surgery	Vet. Parasitology			4	
	Vet. Med. Surgery	Vet. Physiology			2	
	Vet. Med. Surgery	Vet. Biochemistry			1	
	Sciences	Microbiology			1	
	Agriculture	Animal Breeding			1	
<b>Assistant Professor</b>	Vet. Med. Surgery	Vet. Microbiology			5	
	Vet. Med. Surgery	Vet. Anatomy			4	
	Vet. Med. Surgery	Vet. Pharmacology			2	
	Vet. Med. Surgery	Vet. Toxicology			2	
	Vet. Med. Surgery	Vet. Pathology			5	
	Vet. Med. Surgery	Vet. Obstetrics			5	
	Vet. Med. Surgery	Vet. Surgery			8	
	Vet. Med. Surgery	Vet. Public Health			3	
	Vet. Med. Surgery	Vet. Medicine			8	
	Vet. Med. Surgery	Vet. Parasitology			4	
	Vet. Med. Surgery	Vet. Physiology			5	
	Vet. Med. Surgery	Vet. Biochemistry			1	
	Sciences	Microbiology			1	
	Sciences	Parasitology			1	
	Sciences	Biochemistry			1	
<b>Lecturer</b>	Vet. Med. Surgery	Vet. Microbiology			3	

	Vet. Med. Surgery	Vet. Anatomy			2	
	Vet. Med. Surgery	Vet. Pharmacology			7	
	Vet. Med. Surgery	Poultry Diseases			4	
	Vet. Med. Surgery	Vet. Clinical Pathol.			4	
	Vet. Med. Surgery	Vet. Immunology			1	
	Vet. Med. Surgery	Vet. Pathology			5	
	Vet. Med. Surgery	Vet. Obstetrics			1	
	Vet. Med. Surgery	Vet. Surgery			3	
	Vet. Med. Surgery	Vet. Public Health			2	
	Vet. Med. Surgery	Vet. Medicine			1	
	Vet. Med. Surgery	Vet. Parasitology			1	
	Vet. Med. Surgery	Vet. Physiology			5	
	Vet. Med. Surgery	Vet. Biochemistry			3	
	Sciences	Genetic			1	
	Sciences	Chemistry			1	
	Agriculture	Animal Nutrition			1	
	Agriculture	Animal Physiology			1	
Assistant Lecturer	Vet. Med. Surgery	Vet. Microbiology			1	
	Vet. Med. Surgery	Vet. Anatomy			3	
	Vet. Med. Surgery	Vet. Pharmacology			1	
	Vet. Med. Surgery	Vet. Pathology			3	
	Vet. Med. Surgery	Vet. Surgery			1	
	Vet. Med. Surgery	Vet. Public Health			1	
	Vet. Med. Surgery	Vet. Medicine			1	
	Vet. Med. Surgery	Vet. Parasitology			3	
	Vet. Med. Surgery	Vet. Clinical Pathol.			2	

	Sciences	Chemistry			1	
	Agriculture	Animal Nutrition			1	

### **Professional Development**

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

New faculty members must do the following:

1. Completing teaching methods courses and passing related exams.
2. Passing the teaching suitability test.

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

Faculty members are developed through the following:

1. Training courses in the field of computers and its applications.
2. Training courses in the field of English.

### **11. Acceptance Criterion**

**Students are admitted to college through the central admission**

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

1. Instructions for approving curricula issued by the Ministry of Higher Education and Scientific Research.
2. Curriculum requirements approved by program accreditation committees for colleges of veterinary medicine

### **13. Program Development Plan**

1. Forming a higher committee to match the approved curricula with the approved curricula in scientific universities.
2. Choose reputable universities and view the curricula approved therein.
3. Approving the recommendations issued by the Supreme Committee for Curriculum Conformity.

### Program Skills Outline

				Required program Learning outcomes												
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics				
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4	
First Year First Semester Polonga Process	<a href="#">UOM102</a>	English language	Basic		X				X							
	<a href="#">UOM104</a>	Democracy and Human Rights	Basic													X
	<a href="#">VET101</a>	General Biology	Basic			X				X				X		
	<a href="#">VET102</a>	Skeleton Anatomy	Basic	X												
	<a href="#">VET103</a>	Animal Management	Basic		X			X				X				
	<a href="#">VET104</a>	Biorisk Management	Basic			X				X			X			
First Year Second Semester Polonga Process	<a href="#">UOM101</a>	Arabic language	Basic													X
	<a href="#">UOM103</a>	Computer	Basic		X					X						
	<a href="#">VET105</a>	General Chemistry	Basic						X							
	<a href="#">VET106</a>	Muscular Anatomy	Basic	X												
	<a href="#">VET107</a>	Animal Husbandry	Basic		X			X				X				

	<a href="#">VET108</a>	Poultry Management	Basic		X			X				X			
Second Year First Semester Polonga Process	<a href="#">UOM205</a>	Ba 'ath regime crimes	Basic												X
	<a href="#">VET201</a>	Visceral Anatomy	Basic	X											
	<a href="#">VET202</a>	Basic Histology	Basic	X											
	<a href="#">VET203</a>	General Physiology	Basic		X			X		X					
	<a href="#">VET204</a>	Basic Biochemistry	Basic					X		X					
	<a href="#">VET205</a>	Animal Nutrition	Basic		X			X							
	<a href="#">UOM1032</a>	Computer	Basic		X					X					
Second Year Second Semester Polonga Process	<a href="#">VET206</a>	Neural and vascular Anatomy	Basic	X											
	<a href="#">VET207</a>	Biochemistry	Basic					X		X					
	<a href="#">VET208</a>	Systemic Histology and Embryology	Basic	X											
	<a href="#">VET209</a>	Systemic Physiology	Basic		X			X		X					
	<a href="#">VET210</a>	Applied Statistics	Basic		X										



	<a href="#">VEC3127</a>	Veterinary Clinic	Basic		X				X			X		
Fourth Year First Semester	<a href="#">VED4119</a>	Clinical Pathology - 1	Basic		X				X				X	
	<a href="#">VED4113</a>	Female Fertility	Basic	X	X	X	X	X			X	X	X	X
	<a href="#">VED4117</a>	Infectious Diseases - 1	Basic		X				X				X	
	<a href="#">VED4110</a>	Internal Medicine - 1	Basic		X				X				X	
	<a href="#">VED4111</a>	Morbid Anatomy - 1	Basic	X		X	X			X				X
	<a href="#">VED4114</a>	Poultry Diseases - 1	Basic	X	X	X	X			X		X	X	
	<a href="#">VED4115</a>	Surgery - 1	Basic	X				X	X					
	<a href="#">VEC4112</a>	Veterinary Clinic - 1	Basic		X				X				X	
	Fourth Year Second Semester	<a href="#">VED4127</a>	Clinical Pathology - 2	Basic		X				X				X
<a href="#">VED4126</a>		Infectious Diseases - 2	Basic		X				X				X	
<a href="#">VED4128</a>		Internal Medicine - 2	Basic		X				X				X	
<a href="#">VED4121</a>		Morbid Anatomy - 2	Basic	X		X	X			X				X

	<a href="#">VED4124</a>	Poultry Diseases - 2	Basic	X	X	X	X			X		X	X		
	<a href="#">VED4125</a>	Surgery - 2	Basic	X				X	X						
	<a href="#">VEC4123</a>	Veterinary Clinic - 2	Basic		X				X				X		
Fifth Year First Semester	<a href="#">VED4122</a>	Veterinary Obstetrics	Basic	X	X	X	X	X	X		X	X	X	X	X
	<a href="#">VED4107</a>	Zoonotic Diseases	Basic			X				X			X		
	<a href="#">VED5110</a>	Fish Diseases	Basic	X	X	X	X			X		X	X		
	<a href="#">VED5113</a>	Internal Medicine - 1	Basic	X					X				X		
	<a href="#">VEC5111</a>	Male Fertility	Basic	X	X	X	X	X			X	X	X	X	X
	<a href="#">VEH5114</a>	Meat Hygiene	Basic	X				X							
	<a href="#">VEC5115</a>	Surgery - 1	Basic	X				X	X						
	<a href="#">VEC5112</a>	Veterinary Clinic - 1	Basic	X					X				X		
	<a href="#">VED5120</a>	Internal Medicine - 2	Basic	X					X				X		
	<a href="#">VEH5121</a>	Milk Hygiene	Basic	X				X							

Fifth Year Second Semester	<a href="#">VEC5117</a>	Reproductive Biotechnology	Basic	X				X	X		X	X	X	X	X
	<a href="#">VEC5123</a>	Surgery - 2	Basic	X				X	X						
	<a href="#">VEC5118</a>	Veterinary Clinic - 2	Basic	X					X				X		
	<a href="#">VEC5119</a>	Veterinary Ethics	Basic		X							X	X	X	X
	<a href="#">VED5122</a>	Veterinary Forensic Medicine	Basic	X	X	X	X			X	X	X	X	X	
	<a href="#">VEC5125</a>	Research Projects	Basic		X				X				X		
	<a href="#">VEC5109</a>	Summer Clinic	Basic	X					X				X		

- Please tick the boxes corresponding to the individual program learning outcomes