

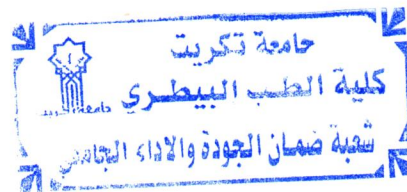
صحة طبية

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



# Academic Program and Course Description Guide

2025-2026



## **Introduction:**

The educational program is a well-planned set of courses that include procedures and experiences arranged in the form of an academic syllabus. Its main goal is to improve and build graduates' skills so they are ready for the job market. The program is reviewed and evaluated every year through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a short summary of the main features of the program and its courses. It shows what skills students are working to develop based on the program's goals. This description is very important because it is the main part of getting the program accredited, and it is written by the teaching staff together under the supervision of scientific committees in the scientific departments.

This guide, in its second version, includes a description of the academic program after updating the subjects and paragraphs of the previous guide in light of the updates and developments of the educational system in Iraq, which included the description of the academic program in its traditional form (annual, quarterly), as well as the adoption of the academic program description circulated according to the letter of the Department of Studies T 3/2906 on 3/5/2023 regarding the programs that adopt the Bologna Process as the basis for their work.

In this regard, we can only emphasize the importance of writing an academic programs and course description to ensure the proper functioning of the educational process.

## Concepts and terminology:

**Academic Program Description:** The academic program description provides a brief summary of its vision, mission and objectives, including an accurate description of the targeted learning outcomes according to specific learning strategies.

**Course Description:** Provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the students to achieve, proving whether they have made the most of the available learning opportunities. It is derived from the program description.

**Program Vision:** An ambitious picture for the future of the academic program to be sophisticated, inspiring, stimulating, realistic and applicable.

**Program Mission:** Briefly outlines the objectives and activities necessary to achieve them and defines the program's development paths and directions.

**Program Objectives:** They are statements that describe what the academic program intends to achieve within a specific period of time and are measurable and observable.

**Curriculum Structure:** All courses / subjects included in the academic program according to the approved learning system (quarterly, annual, Bologna Process) whether it is a requirement (ministry, university, college and scientific department) with the number of credit hours.

**Learning Outcomes:** A compatible set of knowledge, skills and values acquired by students after the successful completion of the academic program and must determine the learning outcomes of each course in a way that achieves the objectives of the program.

**Teaching and learning strategies:** They are the strategies used by the faculty members to develop students' teaching and learning, and they are plans that are followed to reach the learning goals. They describe all classroom and extra-curricular activities to achieve the learning outcomes of the program.

## Academic Program Description Form

University Name: .... Tikrit university.....  
Faculty/Institute: ..... College of Veterinary Medicine .....  
Scientific Department: ..... Vet Public Health.....  
Academic or Professional Program Name: ..... Veterinary Medicine.....  
Final Certificate Name: .... BSc degree in Veterinary Medicine.....  
Academic System: ..... Course.....  
Description Preparation Date: 17\1\2026  
File Completion Date: 20\1\2026



Signature:

P.h.D. Ali Qays Jalil  
Veterinary public health

Head of Department Name:

Date: 20-1-2026

Signature:

Scientific Associate Prof. Dr.

Date:

Montaser M. Helal

6/11/2025

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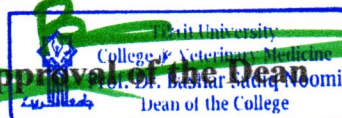
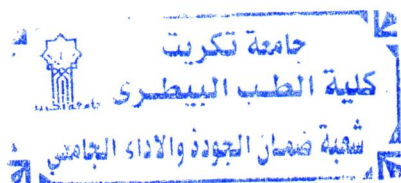
Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 6/11/2025

Signature:

Asist. Prof. Dr.  
Ahmed Abdullah Sultan



### **1. Program Vision**

The College of Veterinary Medicine / Tikrit University seeks to become an educational, research and extension institution and to be a pioneer and distinguished in order to advance the educational process and advance it regionally and internationally by adhering to Arab and international quality assurance standards and policies and university performance and achieving excellence and creativity in the field of the veterinary medicine profession by creating competencies. Veterinary medicine is able to keep pace with scientific development in the field of the profession, as this is done through developing and updating the curriculum so that graduates can perform their work efficiently in accordance with the need of the labor market and provide the best service to society.

### **2. Program Mission**

The basic outputs of the college are to prepare distinguished, competent graduates in the field of veterinary medicine by relying on the outputs of the College of Veterinary Medicine as basic building blocks for primary and postgraduate studies to serve the country's livestock. This is done by developing the curriculum in a way that is compatible with the spirit of the times and modernity. The college is also committed, through its mission, to honesty and quality in education at all levels. In addition to encouraging distinguished research projects for teachers in accordance with the needs of society and the labor market. The college also seeks to achieve excellence in preparing students with solid academic preparation that qualifies them to serve the community in the field of specialization. It also works to establish values and ideals among the college's members and students.

### **3. Program Objectives**

The College of Veterinary Medicine aims to raise the scientific level of undergraduate and graduate students and build their capabilities at the scientific and applied levels, and work to direct scientific research in the applied direction in the field of veterinary medicine and livestock and protect humans from common diseases by combating them and carrying out awareness and educational campaigns to prevent them, as well as graduating doctors. Veterinarians are able to perform their work in the field of community service with high efficiency through the scientific capabilities available at the college, including laboratories, the consulting office, and the veterinary teaching hospital, examining and treating various field animals, poultry, and fish ponds, supervising and treating them, and providing consultations in the field of care and nutrition of animals, poultry, and fish in order to obtain a food product. Safe from healthy animal origin and free of diseases, spreading environmental and cultural awareness of the importance of veterinary medicine in serving society and developing the environment, focusing on the educational and moral aspect of the student and spreading the spirit of dedication, tolerance and commitment.

### **4. Program Accreditation**

yes found

### **5. Other external influences**

Not found

## 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				
College Requirements				
Department Requirements				
Summer Training				
Other				

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

## 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2025\2026	VEH5121	Milk hygiene	theoretical	practical

## 8. Expected learning outcomes of the program

Knowledge	
	The student learns methods of examining animals and how to take samples for laboratory examination The student learns laboratory examination methods and how to diagnose medical conditions The student must have sufficient scientific background in various animal diseases The student must have sufficient scientific background on different animal prevention from endemic and epidemic disease The student should have sufficient information to know the diseases common to humans and ways to prevent them The student must be familiar with the diseases and problems that the animal.
Skills	
	<ol style="list-style-type: none"> <li>1. Subject-specific skills Planning skills (preparing the student to be able to deal with the lesson and understand the topics that will be presented during the lecture by choosing effective teaching methods.</li> <li>2. Executive skills (preparing the student to have the ability to prepare for the lesson by asking questions, varying the stimuli, and changing the tone of voice.</li> <li>3. Evaluation skills (knowledge of questions and their types, preparation of tests, critical feedback.</li> </ol>
Ethics	
	Developing students 'abilities to share ideas

## 9. Teaching and Learning Strategies

1. The lecture
2. Field visits and field and laboratory training
3. Training courses in the field of specialization
4. Holding seminars and discussions

## 10. Evaluation methods

1. Written tests
2. Oral and practical tests
3. Sudden and quick questions
4. Daily posts and reports

## 11. Faculty

### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Assistant lecturer	Veterinary Medicine	Public health			Staff	
Assistant lecturer	Animal production	Animal management			Staff	

## 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

using modern educational methods

## 12. Acceptance Criterion

(Establishing regulations related to enrollment in the college or institute)

### 1. The most important sources of information about the program

1. The college and university website.
2. Methodological books approved by the Ministry of Higher Education and Scientific Research.

### 3. Program Development Plan

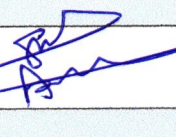
1. Increasing field visits to government and private projects
2. Encouraging visits to the college library and the university's central library
3. Urging students to benefit from summer training in veterinary centers and the teaching hospital
4. Improving research projects and graduation projects.

### 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			
2025\2026	VEH5121	Milk hygiene	Basic		✓				✓					✓				
			Basic		✓				✓					✓				
			Basic		✓				✓						✓			
			Basic		✓				✓						✓			
			Basic		✓				✓						✓			

● Please tick the boxes corresponding to the individual program learning outcomes under evaluation.

## Course Description Form

<b>Course Name:</b>					
Milk hygiene					
<b>Course Code:</b>					
VEH5121					
<b>Semester / Year:</b>					
Semester 2					
<b>Description Preparation Date:</b>					
17/1/2026					
<b>Available Attendance Forms:</b>					
20\1\2026					
<b>Number of Credit Hours (Total) / Number of Units (Total)</b>					
<b>Course administrator's name (mention all, if more than one name)</b>					
Name: Mundher Jawahar Dakheel		Email: <a href="mailto:monther_j@tu.edu.iq">monther_j@tu.edu.iq</a>			
Name: Amir Ibrahim Ali		Email: <a href="mailto:ameribr@tu.edu.iq">ameribr@tu.edu.iq</a>			
<b>Course Objectives</b>					
<b>Course Objectives</b>					
<b>Teaching and Learning Strategies</b>					
<b>Strategy</b>					
<b>Course Structure</b>					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2 theoretical	Definition of Milk		Lecture and explanation	Daily questions, discussion and exam
2	4 theoretical	Mammary Gland and Milk Biosynthesis: Nature's virtual bioprocessing factory		Lecture and explanation	Daily questions, discussion and exam
3	4 theoretical	Biosynthesis of milk and milk components		Lecture and explanation	Daily questions, discussion and exam
4	4 theoretical	Milk From Farm to Dairy Plant		Lecture and explanation	Daily questions, discussion and exam
5	2 theoretical	The Microbiological of the Dairy milk		Lecture and explanation	Daily questions, discussion and exam
6	2 theoretical	Udder and teat lesions in Cattle		Lecture and explanation	Daily questions, discussion and exam
7	2 theoretical	Mammary gland structure		Lecture and explanation	Daily questions, discussion and exam
8	2 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam
9	4 theoretical	Udder Diseases in Animals		Lecture and explanation	Daily questions, discussion and exam
10	2 theoretical	Udder Diseases in Animals		Lecture and explanation	Daily questions, discussion and exam

11	4 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam
12	4 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam
13	4 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam
14	4 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam
15	4 theoretical	Metabolic Diseases that relation with milk Yield		Lecture and explanation	Daily questions, discussion and exam

#### .Course Evaluation

#### .Learning and Teaching Resources

Required Theoretical Textbooks	Gyuton and Hill, medical physiology, 2008, Ramesh C. Gupta, Veterinary Toxicology Basic and Clinical Principles. First edition 2008, Jim E. Riviere, Mark G. Papich. Veterinary Pharmacology and Therapeutics, 9th Edition
Main References (Approved Books and Scientific Atlases for Courses)	<b>Milk hygiene</b>
Electronic References, Websites	Scientific sites specialized in public health, milk production and chemistry
Electronic Journals	Journal of hygiene Amer. J. of microbiology



Head of branch

Ali Qays Jalil

20\1\2026

