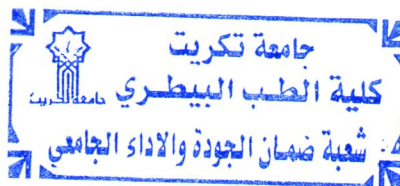


Ministry of Higher Education and Scientific Research
Scientific Supervision and Scientific Evaluation Apparatus
Directorate of Quality Assurance and Academic Accreditation
Accreditation Department



Academic Program and Course Description Guide

2026-2025



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: Veterinary Medicine

Scientific Department: Pathology and Poultry diseases

Academic or Professional Program Name: Pathology

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery

Academic System: Semester

Description Preparation Date: 5/10/2025

File Completion Date: 6/ 11/2025

Signature:

Head of Department: **Prof. Khorehed**

Head of Department of Pathology
and Poultry disease

Date:

2025/11/6

Signature:

Scientific Associate Name:

Date:

Asst. Prof. Dr.
Montaser M. Helal

The file is checked by:

Department of Quality Assurance and University Performance

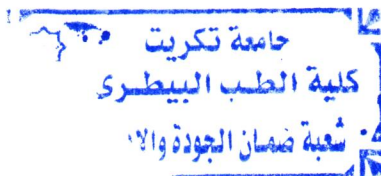
Director of the Quality Assurance and University Performance Department:

Date: 6/11/2025

Signature:

[Handwritten Signature]

Asist. Prof. Dr.
Ahmed Abdullah Sultan



Tikrit University
College of Veterinary Medicine
Prof. Dr. Bashar Sadig Noomi
Head of the College
Approval of the Dean

1. Program Vision

The College of Veterinary Medicine / Tikrit University exists to be a leader in the great higher education at Tikrit University in the field of higher education for scientists through its clear scientific, academic and administrative activities. It also works to provide a path for its students and professors to be creative and effective in serving the community and the labor market in the field of pathology and its diseases and prevention for those diseases.

Applying the topics studied theoretically at the practical level in various branches of veterinary medicine

- Asking students during clinical lessons to perform some surgical operations under the supervision of their professors.
- Visiting practical laboratories by academic staff

2. Program Mission

A- Cognitive objectives

A/1- Enabling students to obtain knowledge and understanding of the intellectual and skills framework of veterinary science

A/2- Enabling students to obtain knowledge and understanding of the ethics of the veterinary profession

A/3- Enabling students to obtain knowledge and understanding of veterinary anatomy, histology and embryos

A/4: Enabling students to obtain knowledge and understanding of diseases common to humans and animals

A/5: Enabling students to obtain knowledge and understanding of veterinary obstetrics and fertility

A/6: Enabling students to obtain knowledge and understanding of basic veterinary sciences

3. Program Objectives

A1- By linking changes at the cell level to clinical signs.

C2- The student will be able to find relationships between pathogens.

C3- Practical skills that enable the student to reach treatment through what he has drawn in his mind about the mechanism of the disease

4. Program Accreditation

National institutional accreditation standards for higher education institutions in Iraq

5. Other external influences

Iraqi universities, Ministry of Agriculture, General Veterinary Authority

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	90	90		Basic course
College Requirements	yes			
Department Requirements	yes			
Summer Training	yes			Basic course
Other	Not found			

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours			
			Theoretical	Practical		
3 th /2025-2026	General Pathology, first semester, VED 4114	<table border="1"> <tr> <td>General pathology</td> </tr> <tr> <td>Systemic pathology</td> </tr> </table>	General pathology	Systemic pathology		
General pathology						
Systemic pathology						

	Systemic Pathology , second semester ED 4124			
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8. Expected learning outcomes of the program

Knowledge

Cognitive objectives

- A1- Identify the concept of pathology
- A2- The condition of the animal after signs of the disease appear
- A3- Disease developments and course of the disease
- A4- Changes that occur in the animal after the disease appears
- A5- Students achieved knowledge of histological events and clinical signs and linked them to the general changes of the disease state.
- A6- Identify the most important diseases that affect animals, poultry, and fish, and what happens after death.

Skills

Providing the student with practical and theoretical information about pathology

Ethics

Increasing capabilities in the field of diseases in the practical and theoretical aspects.

9. Teaching and Learning Strategies

- Providing students with the basics and additional topics related to the previous educational outcomes of poultry diseases
- Applying the topics studied theoretically in the practical aspect within the specialty of poultry diseases
- Visiting practical laboratories by academic staff.

10. Evaluation methods

- Daily and monthly exams.
- Theoretical exams (daily, monthly, yearly)
- Practical exams (daily, monthly, yearly)

Academic Rank	Specialization		Number of the teaching staff	
	General	Special	Staff	Lecturer
Assistant Professor 2 Lecturer	Veterinary Medicine and surgery	Pathology	Staff	

Professional Development

Mentoring new faculty members

Professional development of faculty members

Teaching development of students' abilities in research and investigation through field visits to animal fields, fish ponds, and projects related to veterinary medicine, encouraging weekly visits to the library, and reviewing sources, books, and magazines as a source of information.

11. Acceptance Criterion

Central/according to the requirements of the Ministry of Higher Scientific Education

12. The most important sources of information about the program

General pathology

- Diseases of Animal 2011, 11 edition
- Edition Author(s): Edward J. Noga M.S., D.V.M.,2010 .
- PATHOLOGIC BASIS of VETERINARY DISEASE, 6 edition , James F. Zachary, DVM, PhD, DACVP, 2017.

13. Program Development Plan

- Increasing field visits to government and private projects
- 2- Encouragement to visit the college library and the central library at the university
- 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
Third stage	VED3110	General Pathology I	basic	√	√	√	√	√	√	√	√	√	√	√	√
	VED3120	Systemic Pathology II	basic	√	√	√	√	√	√	√	√	√	√	√	√

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

Course Description Form

Course Description Form

1. Course Name:	
general pathology & systemic pathology	
Course Code:	
VED 4114 VED 4124	
1. Semester / Year:	
semester	
2. Description Preparation Date:	
6/ 11/ 2025	
3. Available Attendance Forms:	
Attendance only	
4. Number of Credit Hours (Total) / Number of Units (Total)	
45 ,45 , ,60,60 , ,90 ,90	
5. Course administrator's name (mention all, if more than one name)	
Name: A.P.Dr. Hassan Hadi Khorsheed Email: dr_patho80@tu.edu.iq	
6. Course Objectives	
Course Objectives	<p>1- Providing the student with practical and theoretical information about pathology and diseases of poultry and fish.</p> <p>2- Increasing capabilities in the field diseases in the practical and theoretical aspects.</p> <p>3- Explaining the most important diseases that affect poultry and fish and identifying the most important successful treatments for them.</p> <p>4- Explaining the most important changes that occur in animals after death and knowing the factors causing death..</p> <p>.....</p>

7. Teaching and Learning Strategies					
Strategy		<ul style="list-style-type: none"> - Educational strategy, collaborative concept planning. 2- Brainstorming education strategy. 3- Education Strategy Notes Series 			
8. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Introduction to Pathology		data show	Daily exam questions and discussion
2	3	Cell Pathology necrosis and its type		data show	Daily exam questions and discussion
3	3	Degeneration		data show	Daily exam questions and discussion
4	3	Growth and cell Disturbance		data show	Daily exam questions and discussion
5	3	Pigmentation and Calcification		data show	Daily exam questions and discussion
6-7 8-11	6 9	Disturbance in circulation		data show	Daily exam questions and discussion
12-13	6	Inflammation		data show	Daily exam questions and discussion
14		Inflammation		data show	Daily exam questions and discussion

15		Review			
- Coures level :Third year Course Name :Theoretical Pathology /3 hours Semester: Second					
1-2	6	Respiratory system		data show	Daily exam questions and scussion
3-4	5	Cardiovascular system		data show	Daily exam questions and scussion
5	3	Hempoitic System		data show	Daily exam questions and scussion
6-8	8	digestive System		data show	Daily exam questions and scussion
9	3	Urinary System		data show	Daily exam questions and scussion
10	3	Nervous System		data show	Daily exam questions and scussion
11	3	Male and female Reproductive System		data show	Daily exam questions and scussion
12	3	muscular System		data show	Daily exam questions and scussion
13	3	skin		data show	Daily exam questions and scussion
14	3	Eye and special organs		data show	Daily exam questions and

				scussion
15	3	Examine	data show	Daily exam questions and scussion

9. Course Evaluation

Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports etc

10. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Basic pathology
Main references (sources)	PATHOLOGIC BASIS of VETERINARY DISEASE
Recommended books and references (scientific journals, reports...)	<p>..General pathology</p> <p>-Diseases of Animal 2011, 11 edition</p> <p>-Edition Author(s): Edward J. Noga M.S., D.V.M.,2010 .</p> <p>-PATHOLOGIC BASIS of VETERINARY DISEASE, 6 edition , James F. Zachary, DVM, PhD, DACVP, 2017.</p>
Electronic References, Websites	https://lccn.loc.gov/2016021411