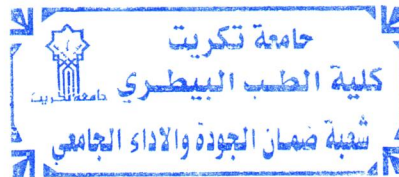




**Ministry of Higher Education and Scientific Research  
Scientific Supervision and Scientific Evaluation Apparatus  
Directorate of Quality Assurance and Academic Accreditation  
Accreditation Department**

# Academic Program and Course Description Guide



## **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: .Physiology ,Pharmacology and Biochemistry .

Academic or Professional Program Name: ... Bachelor's degree in veterinary medicine and surgery

Final Certificate Name: . Bachelor's degree in veterinary medicine and surgery

Academic System: ... Quarterly

Description Preparation Date: 2025/10/15

File Completion Date: 2025/11/6



Signature:

Scientific Associate Name:

Ass.Prof. Muntaser Mohammad

Helal

Date:

Asst . Prof . Dr  
Montaser M. Helal

Signature:

Head of Department Name:

Prof. Buthaina Abdel Hamid

Date:

PROF. DR.  
BUTHAINA ABDULHAMEED ABDULLAH

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:



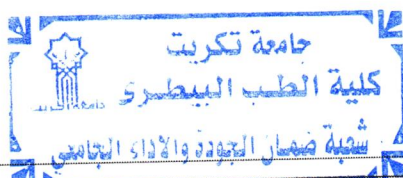
Asist. Prof. Dr.

Ahmed Abdullah Sultan

Ahmed Abdullah Sultan



Tikrit University  
College of Veterinary Medicine  
Prof. Dr. Buthaina Abdel Hamid  
Approval of the Dean



## **1. Program Vision**

The College of Veterinary Medicine seeks to be one of the leading higher education institutions at Tikrit University in the field of modern higher education and scientific research through its scientific, research and administrative activities. It also works to provide an integrated path for its students and professors to make them active and creative in serving the community in their fields of expertise.

## **2. Program Mission**

Working to prepare and graduate leading scientific and leadership competencies in the field of veterinary medicine and in the field of scientific research to serve society.

## **3. Program Objectives**

- 1- Increasing the student's knowledge and understanding in the field of veterinary medicine and preparing him scientifically to be familiar with the science of toxins and their groups and how these toxins work and their negative effects. In addition to how to control, manage and treat poisoning processes.
- 2- In order to be able to know the changes that occur in toxins from the body's various tissues, including the processes of absorption, distribution, metabolism, and excretion.
- 3- The student will be familiar with the importance of toxicology, its effects, and its clinical applications.
- 4- Increasing the student's cognitive awareness regarding methods of applying practical experiments on toxins, methods of drug absorption, and methods of using and dealing with laboratory animals.
- 5- Working to meet the community's need in this field by developing various plans that keep pace with scientific and practical developments in the field of veterinary medicine

6- Increasing the student's skills in the field of employment and self-development enables him to compete with others in the labor market.

#### 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?

Nothing

#### 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	60	60		Basic course
College Requirements	yes			
Department Requirements	yes			
Summer Training	Nothing			
Other				

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

## 7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2023–2024 Third stage		Toxicology	theoretical	

## 8. Expected learning outcomes of the program

### Knowledge

Learning Outcomes 1	Enabling students to obtain knowledge and understanding of toxicology, how these toxins work, what they are used for, their side effects, as well as their drug interactions.
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### Skills

Learning Outcomes 2	Expanding students' skills in the field of toxicology from a theoretical and practical perspective and benefiting from them In the future, clinically, knowing the effect of toxins on the body's systems, and knowing how the body gets rid of these toxins

### Ethics

Learning Outcomes 4	Developing students' abilities to participate in the practical aspect of the laboratory Testing some toxins on laboratory animals and observing the responses to these toxins for research and experimental purposes

## 9. Teaching and Learning Strategies

- 1– Analogical and practical lectures in laboratories
- 2– Discussions and involving students in them through questions and answers
- 3– Holding discussion circles and seminars in the college
- 4– Holding training courses in the field of poisons, drugs and smoking

## 10. Evaluation methods

Implemented at all stages of the program in general.

Daily and monthly exams and the end-of-course exam, in addition to grade reports prepared by students

## 11. Faculty

### Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Professor	Veterinary medicine and surgery	Toxicology			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

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

## 12. Acceptance Criterion

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

**13. The most important sources of information about the program**

A TEXTBOOK OF MODERN TOXICOLOGY THIRD EDITION

Clinical Toxicology: Principles and Mechanisms 1st Edition

by Frank A. Barile (Author

Fundamentals of Toxicology: Essential Concepts and Applications

By P.K. Gupta

Fundamentals of Toxicology Essential Concepts and Applications by Gupta

Book • 2016.

**14. Program Development Plan**

Developing new vocabulary to be added to the toxicology course, such as adding Phytotherapy and teaching students how plant extracts work, how they work, their components, and benefiting from them therapeutically to treat many cases of poisoning as a result of exposure to drugs and chemicals.

Program Skills Outline																						
Year/Level	Course Code	Course Name	Basic or optional	Required program Learning outcomes																		
				Knowledge				Skills				Ethics										
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4							
		Toxicology	Basic																			

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

1. Course Name:

Toxicology

2. Course Code:

VEP3116

3. Semester / Year:

Semester

4. Description Preparation Date:

5/10/2025

5. Available Attendance Forms: Attendance

6. Number of Credit Hours (Total) / Number of Units (Total)

60 hours /2 unit

7. Course administrator's name (mention all, if more than one name)

Name: 1-Siham Agmee Wadee.

Email: [sihamwadee@tu.edu.iq](mailto:sihamwadee@tu.edu.iq)

8. Course Objectives

Course Objectives

- Teaching the student to know toxicology in a theoretical way, everything related to toxins, including the groups and names of toxins, their method of action and their effects

2- Students learned skills on how to deal with toxic chemicals, how to control them, and treat poisoning cases in general

**9. Teaching and Learning Strategies**

**Strategy**

- 1- Education strategy. Through theoretical and practical lectures
- 2- Education strategy discussions and making reports.
- 3- Education Strategy Notes Series

**10. Course Structure**

<b>Week</b>	<b>Hours</b>	<b>Required Learning Outcomes</b>	<b>Unit or subject name</b>	<b>Learning method</b>	<b>Evaluation method</b>
1	2	Concepts about Toxicology	Introduction About Toxicology	Explaining scientific material through theoretical lectures	Weekly, monthly, daily, written and end -of- semester exams
2	2	Factors affecting activity poisons Principles Treatment	Definition		

3		poisoning Types degree Of toxicity Binding - Interaction of Induction Toxic effect Source of poisoning Absorption Distributio Metabolism Excretion	Toxicodynamic  Toxicokinetic		
3	2	Cooper poisoning Sodium chlorid Selenium P Mercury P Cadmium P Lead P	Heavy metals		
4	2				

5	2	Source of Pisoning	Organophospho- Sphorous compound P		
6	2	Nicotine P Morphine Cyanide P Food p Natural Co P			
7	2	Ergot P Ammoniat feed P			
8	2	Toxicity			
9	2	of Gossyl p			
10	2	Sulfur			

11	2	toxicity Fungicides Rodenticide P	Environmental Tox Air Pollution		
12	2	Insecticide P Herbicides			
13	2	Water Pollution Soil Pollution	Toxins of Animal origin		
14	2	Venoms bee Hornets Waps			
15	2	Scorpion venom Spider venom			

	Black window spider			
	Some poisonous plants in iraq			

### 11. 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

The grade distribution is as follows: 40 marks for the monthly and daily exams of the first semester and 60 marks for the final exam of the first semester.

### 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)

**A TEXTBOOK OF MODERN TOXICOLOGY THIRD EDITION**  
**Clinical Toxicology: Principles and Mechanisms 1st Edition**  
 by Frank A. Barile (Author)  
**Fundamentals of Toxicology: Essential Concepts and Applications**  
 By P.K. Gupta

	<b>Fundamentals of Toxicology Essential Concepts and Applications by Gupta Book • 2016.</b>
Main references (sources)	Ramesh C.Gupta,veterinary Toxicology Basic and Clinical Principles.First editi 2007 . Veterinary toxicology by Lander ,G.D.(George Druce).
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	<a href="https://www.toxicology.org/about/relevance.asp?gad_source=1&amp;gclid=Cj0KCQi/uuBhDzARIsAAa21T9s2b95ull2nEZptTq_tojAkuKDd7iJpBw2090EyhSEghx-jn0QTu8aAk0wEALw_wcB">https://www.toxicology.org/about/relevance.asp?gad_source=1&amp;gclid=Cj0KCQi/uuBhDzARIsAAa21T9s2b95ull2nEZptTq_tojAkuKDd7iJpBw2090EyhSEghx-jn0QTu8aAk0wEALw_wcB</a> .

### Course Description Form