

**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



2024 - 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.

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Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: Veterinary Medicine

Scientific Department: Pharmacology ,Physiology and Biochemistr

Academic or Professional Program Name: Chemistry

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery

Academic System: Semester

Description Preparation Date: 5/10/2024

Signature:

Head of Department Name:

Prof.Dr.Buthaina

Abdulahameed Abdulla

Date: 6/10/2024

Signature:

Scientific Associate Name:

Proph. Dakheel Hussein Hedree

Date: 6/10/2024

The file is checked by:

Assist. Prof. Dr Ahmed Abdullah Sultan

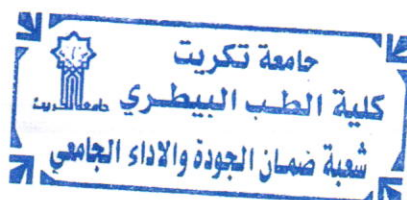
Quality Assurance And University Performance Manager

Date : 6 / 10 / 2024

Signature:

Approval of the Dean

Prof. Dr. Bashar Sadeq Numi



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 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 the fields of veterinary medicine education and its six branches and its preparation. Scientific preparation in order to be familiar with the functions of the organs of the animal body and be able to know the changes that occur in the various organs and tissues of the body.

2. Program Mission

Working to prepare and graduate leading scientific and leadership competencies in veterinary medicine and its sciences and to develop the balance of knowledge in the field of scientific research to serve society in this field by developing various plans that keep pace with scientific and practical developments in the field of veterinary medicine, as well as training and refining the minds of students scientifically and cognitively in the intellectual aspect. And the skills of veterinary medicine sciences, and the emphasis on social and cultural values in the ethics of the veterinary profession.

3. Program Objectives

- 1- Embodying the vision, mission and goals of Tikrit University / College of Veterinary Medicine, and applying the best educational practices with a focus on ensuring quality and performance and enhancing them to increase the knowledge and understanding of the student in the field of veterinary medicine and prepare him scientifically so that he is familiar with the functions of the organs of the animal's body so that he is able to recognize the changes Which affect the various organs and tissues of the body when infection with various pathogens occurs, and study the effect of drugs and chemical reactions that occur inside and outside the body.
- 2- 2-Preparing specialized cadres capable of serving the community in the field of veterinary medicine by developing various plans that keep pace with scientific and practical developments in the field of veterinary medicine and preparing for the preparation of future specialties.
- 3- 3- Spreading the culture of scientific diversity in society, transferring scientific knowledge and veterinary skills, writing academic research, and creative scientific achievement through student- and teaching-focused activities in the field of veterinary medicine.
- 4- 4- The College of Veterinary Medicine seeks to conclude scientific and cultural cooperation agreements with corresponding colleges, and to hold training courses in the field of veterinary specialization to achieve best practices in the veterinary fields.
- 5- 5-Focusing on the scientific and moral aspects of all its members and spreading the spirit of dedication, tolerance, commitment and work to serve the nation.

4. Program Accreditation

National institutional accreditation standards for higher education institutions in Iraq.

5. Other external influences

All veterinary medicine laboratories, the animal field, the library, the Internet, the slaughterhouse, the veterinary hospital, veterinary projects, magazines and research.

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements		150hours (theoretical + practical)		Basic course
College Requirements	yes			
Department Requirements	yes			
Summer Training	No			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2024-2025 / first	VET105	General Chemistry	theoretical	practical

8. Expected learning outcomes of the program

Knowledge

Learning Outcomes 1	1- Enabling students to know general chemistry and the importance of chemical reactions and its relationship to other sciences.
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Skills

Learning Outcomes 2	1- Expanding the skill and giving the student skills in how to deal with animals and methods of drawing blood.
Learning Outcomes 3	2- Giving the student the skill of conducting chemical experiments and observing their effect.

Ethics

Learning Outcomes 4	Developing students' abilities to share experiments on veterinary animals.
Learning Outcomes 5	Innovating the preparation of Nano chemicals and applying them to rats.

9. Teaching and Learning Strategies

- 1- Developing students' ability to understand how devices work and the importance of chemicals through the use of illustrative tools, models, and a presentation that contains the most important points necessary for learning.
- 2- Explaining the scientific material by teaching the student how to use laboratory equipment used in chemistry experiments.
- 3- Enabling students to know and understand practical experiments on chemical elements, their distribution in nature, and their impact on other sciences.

10. Evaluation methods

Theoretical and practical exams (daily, monthly and annual).

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Assistant Professor Doctor	chemistry	Organic Chemistry/Nano		angel	Dr.Reem Suhail Najm
Professor Doctor	chemistry	inorganic Chemistry		angel	Dr.HayfaMuhammed Jirjees

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

State briefly the sources of information about the program.

14. Program Development Plan

A comparative study on the application of preparing different chemicals and working on comparing these experiments on animals.

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									
2024-2025	VET105	General chemistry	Basic	√					√			√												

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

Course Description Form

1. Course Name: General chemistry	
2. Course Code: VET105	
3. Semester / Year: Annual	
4. Description Preparation Date: 2025 /01 /22	
5. Available Attendance Forms: In attendance only (theoretical, practical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
150hours annually. 6hours a week	
7. Course administrator's name (mention all, if more than one name)	
<p>Name: Reem Suhail Najm Email: reemshuil84@tu.edu.iq Name: Hayfa Muhammed Jirjees Email: Gargeees@tu.edu.iq</p>	
8. Course Objectives	
<p>Course Objectives</p>	<p>1- Teaching the student to know about chemical reactions, methods for conducting them, and materials and elements that enter into these reactions.</p>
9. Teaching and Learning Strategies	
<p>Strategy</p>	<p>1- The student's education strategy enables him to develop skills related to the practical aspect through knowledge of the use of laboratory techniques, which enables him to know some values of toxic active substances in the body. 2-2- Enabling the student to apply theoretical information practically in laboratories.</p>

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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
		Gain Students have the skill of being able to know chemicals and how to deal with them.	General Chemistry Theory (3hours). Practical Chemistry (3hours).	Explaining the scientific material through PowerPoint presentation and solving problems the blackboard.	Exams daily (coz) Monthly, written , mid-year and end-of-year exams

11. Course Evaluation

The distribution is as follows: 40 marks for monthly and daily exams for the Second semester. 60 marks for mid-year exams,

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	General Chemistry
Main references (sources)	PRINCIPLE OF General organic&Biological Chemistry by Janice Smith publisher McGraw-Hill Science :1st edition (2011).
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	