

مواضع فاصحة

**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

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: University of Tikrit.

Faculty/Institute: College of Veterinary Medicine,

Scientific Department: Department of Physiology, Pharmacology and Biochemistry

Academic or Professional Program Name: Bachelor's

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery .

Academic System: quarterly

Description Preparation Date: 2023\ 10 \5

File Completion Date: 2024\6 \11

Signature: 

Head of Department Name:

Buthaina Abdulhameed

Date: 11\6\2024

Signature: 

Scientific Associate Name:

Dakheel Hussein Hadree

Date: 11\6\2024

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department: Saif Khaleel ibraheem

Date: Date: 2024\6\11

Signature: 

م.م سيف خليل ابراهيم
11-6-2024

Approval of the Dean 

Dr. Bashar Sadaq

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	Special Material	1 hours (theoretical)		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	
2023-2024 / master pharmacology medicine veterinary	VEP110	Special Material	theoretical	

8. Expected learning outcomes of the program

Knowledge	
Learning Outcomes 1	1- Enabling students to learn about nanoscience is the study of the basic principles of molecules and compounds whose size does not exceed one hundred nanometers. The nanometer is the most accurate metric unit known to date, and its length is one billionth of a meter, which is equivalent to ten times the atomic measurement unit known as the angstrom.
Skills	
Learning Outcomes 2	Expanding the skill and giving the student skills in how to deal with animals and the effects of nano. 2- Giving the student the skill of conducting nanoscale experiments and observing their effect. 3- Providing the student with skills in how to work with nanoscale devices.
Learning Outcomes 3	1- Developing students' ability to understand how devices work and the importance of nanomaterials 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 nanodevices used in experiments.
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 Nano experiments.
- 3- Enabling students to know and understand practical experiments on nanoscale chemical elements, their distribution in nature, and their impact on other sciences..

10. Evaluation methods

Theoretical 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. Professor Doctor.	organic chemistry\Nano				angel	

Professional Development

Mentoring new faculty members

The nature of the study program and the objectives of teaching graduate studies, special subjects (Nano), the time period, the style of the subject, and the focus on personal, training, educational, research and technical skills.

Professional development of faculty members

Professional development is a strategic goal in light of technical and scientific developments, the diversity of knowledge sources, and the ease of dissemination and circulation because this Professional development for faculty members is a cornerstone for advancing the university and achieving leadership.

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 Nanoand working on comparing these experiments on animals.

Course Description Form

1. Course Name: General chemistry	
2. Course Code: VEP110	
3. Semester / Year: Annual	
4. Description Preparation Date: 2024 /06 /11	
5. Available Attendance Forms: In attendance only (theoretical)	
6. Number of Credit Hours (Total) / Number of Units (Total)	
1 hours annually. 4 hours a week	
7. Course administrator's name (mention all, if more than one name)	
Name: Reem Suhail Najm Email: reemshuil84@tu.edu.iq	
8. Course Objectives	
Course Objectives	1- Teaching the student to know Nano ab reactions, methods for conducting them, and materials and elements that enter into th reactions.
9. Teaching and Learning Strategies	
Strategy	1- The student's education strategy enables him to develop skills related to the practical aspect through knowledge of the use of laboratory techniques, Nano which enables him to know some valu of the active substances in the body. 2-- Enabling the student to apply theoretical information practica in laboratories.

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10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
		1-What is nanotechnology. This technology is one of fields of scientific subjects, and it is closely related to many different sciences such as bioengineering, chemical engineering, physics, and mechanical engineering, which constitute many scientific disciplines and are concerned with studying all properties of matter at infinite level.	Special Material Theory (1hours).	Explaining the scientific material through PowerPoint presentation and solving the problems on the blackboard.	Exams daily (coz) Monthly, written, mid-year and end-of-year exams

11. Course Evaluation

The distribution is as follows: 30 marks for monthly and daily exams for the first semester. 70 marks for mid-year exams,

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Special Material
Main references (sources)	Klein, L.C. and Garvey, G.J., "Kinetics of the Sol-Gel Transition" Journal of Non-Crystalline Solids, Vol. 38, p.45 (2018).
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	