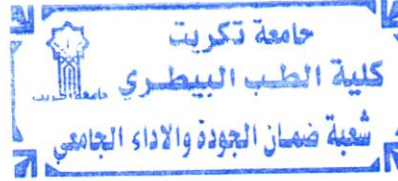


يا مولاوي / علم الايام / كورس تامل

**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: Tikrit.....

Faculty/Institute: ...Veterinary Medicine.....

Scientific Department: ..Microbiology.....

Academic or Professional Program Name: ..Parasitology.....

Final Certificate Name:

Academic System: ...Bachelor in Veterinary Medicine and Surgery.....

Description Preparation Date: 5/10/2023

File Completion Date: 20/2/2024

Signature:

Head of Department Name:

Assist.Prof. Dr. Sanaa Saued Ahmed

Date: 20\2\2024

Signature:

Scientific Associate Name:

Assist. Proff.Dakheel Hussein Hadri

Date: 20\2\2024



The file is checked by:

Department of Quality Assurance and University Performance

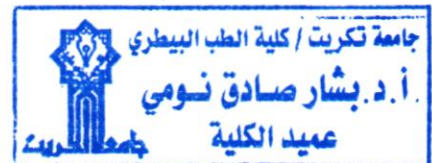
Director of the Quality Assurance and University Performance Department:

Date: 20-2-2024

Signature:

م.م سيف خليل ابراهيم

Approval of the Dean



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

Not found

5. Other external influences

Not found

6. Program Structure

Program Structure	Number of Courses	Study Unit	Percentage	Reviews*
Institution Requirements	Institution requirements: 30 hours (theoretical) + 30 hours second semester	3units second semester		Basic course
College Requirements	Yes			
Department Requirements	Yes			
Summer Training	Yes			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2022-2023/first stage	VED1106	biology	2 theoretical	2 practical

8. Expected learning outcomes of the program**Knowledge**

Teach the student to know the importance of living organisms, their types, cell types, and the division of living organisms according to the type of cells and their functions.

Skills

Students learned how to distinguish between living organisms and their level of development, identify in the laboratory the parts of cells of their eukaryotic and prokaryotic types, as well as distinguish between the types of tissues of living organisms, and use a microscope and some laboratory tests.

Ethics	
	Developing students' abilities to share ideas
	1- Enabling the student to diagnose cell and tissue types. 2- Enabling the student to identify methods of reproduction in living organisms according to their development. 3- Enabling students to know the rest of the sciences that fall under the name of biology. . 4- Enabling students to know about diseases and the extent of their impact on public health and economic aspects

9. Teaching and Learning Strategies

1- Theoretical / through scientific lectures and new explanatory methods - Identifying the types of living organisms and dividing them according to the type of cells that make them up and studying other scientific aspects of some of the sciences that fall under biology.

2- Practical / through practical lectures in the laboratory and in order to learn about the tests for bacterial staining, the blood picture, and the method of examining tissues under the microscope.

10. Evaluation methods

- 1-Theoretical exams (daily, monthly, end of semester)
- 2- Practical exams (daily, monthly, end of semester)

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
professor doctor	Biology	Animal physiology			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)

13. The most important sources of information about the program

"The Diversity of Life" by Edward O. Wilson, 2002.

"The Sixth Extinction" by Elizabeth Kolbert, 2012

"The Diversity of Life" by Edward O. Wilson, 2002.

"The Sixth Extinction" by Elizabeth Kolbert, 2012-Veterinary physiology 2006

14. Program Development Plan

In order to link the theoretical information that the student receives to clinical reality, several things must be done, the most important of which are the following: -

- 1- 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.

Course Description Form

1. Course Name:	2.		
Biology			
3. Course Code:	4.		
VED1106			
5. Semester / Year:	6.		
2023-2024/ second year			
7. Description Preparation Date:	8.		
20/2/2024			
9. Available Attendance Forms:	10.		
Attendance			
11. Number of Credit Hours (Total) / Number of Units (Total)	12.		
30 theoretical hours + 30 practical hours.			
13. Course administrator's name (mention all, if more than one name)	14.		
Name: Prof. dr. wasan sarhan Email: wasansarhan@tu.edu.iq			
15. Course Objectives	16.		
1- Teaching the student to know the most important natural functions of the organs, blood tests, methods of conducting them, and the materials and elements that go into these tests. 2- Students learned laboratory skills in how to deal with pathological cases, methods of draw blood, and how to conduct tests for them and compare them with normal standards..			
17. Teaching and Learning Strategies	18.		
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Strategy</td> <td> 1-Electronic learning method 2- Brainstorming education strategy. 3- Education Strategy Notes Series </td> </tr> </table>	Strategy	1-Electronic learning method 2- Brainstorming education strategy. 3- Education Strategy Notes Series	
Strategy	1-Electronic learning method 2- Brainstorming education strategy. 3- Education Strategy Notes Series		
10.Course structure			

**15 - Course level :Second year
Course Name :Theoretical physiology
Semester: First & second.**

Evaluation methods	Learning methods	Subjects name	Learning methods outcomes	Hours	weeks
Questions, discussion and daily exam	Lecture and explanation	Introduction to biology and some definitions of it and types of living organisms	Living organism	2	1-
=	=	<u>Identify the types of cells and the characteristics of each</u>	Comparison between Prokaryote and Eukaryote cells	2	۲
=	=	Mitosis, method of reproduction, and stages of division	Mitosis: Replication of Eukaryote cells	4	۳-۴
=	=	Identify the stages of meiosis and its characteristics	Meiosis :Reduction division and Gametogenesis	4	۶-۵
=	=	Types of animal tissues and their sections	Types of living tissues	2	۷
=	=	Identify the types of stem cells, their function and importance	Stem cells	2	۸
=	=	Identifying blood tissue, its function, importance, and types of blood cells	Blood composition and function	2	۹
=	=	General characteristics of bacteria types and their composition	General characteristic of Bacteria	2	۱۰
=	=	General characteristic of virus	General characteristic of virus	2	۱۱
=	Lecture and explanation with preview of samples	introduction to molecular Biology	introduction to molecular Biology	2	12
=	Lecture and explanation with preview of samples	Nucleic acid types and functions	Nucleic acid types and functions	4	13-14
=	=				

15 - Coures level :2nd year

Course Name :Practical biology / 2 hours

1. Semester: second

15 - Coures level :2nd year

Course Name :Practical physiology / 2 hours

Semester: First

Evaluation methods	Learning methods	Subject name	Learning method outcome	Hours	weeks
Daily exam question s and discussion	Lecture and explanati on with ppt presenta	Prokaryote and Eukaryote cells		2	1

	tion			
=	=	Mitosis.	2	2
=	=	Bacterial staining	4	3-4
=	=	Types of tissues	8	5-8
=	=	Blood film	6	9-11
=	=	How to use laboratory equipment's (Balance, water bath ,pH meter ,centrifuge ,incubator,etc...)	10	11-15
=	=			
=	=			
=	=			
=	=			
=	=			
=	=			
=	=			
=	=			
=	=			
=	=			
=	=		3-4	15

1. Course Evaluation

The distribution is as follows: 40 marks for the annual pursuit and 60 marks for the final exams

2. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	The Diversity of Life Paperback – January 2001
Recommended books and references (scientific journals, reports...)	..
Electronic References, Websites	