

٥٤٤٤

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 program 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.

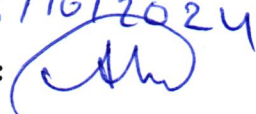
Academic Program Description Form

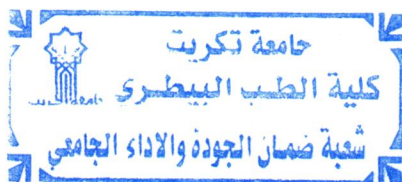
University Name: Tikrit University
Faculty/Institute: College of Veterinary Medicine
Scientific Department: Microbiology.
Academic or Professional Program Name: Parasitology
Final Certificate Name: BSc degree in Veterinary Medicine
Academic System: Semester
Description Preparation Date: 5/10/2024
File Completion Date: 6/10/2024

Signature: 
Head of Department Name:
Prof. Ass. Dr. Sanaa Saoud Ahmed
Date: 6/10/2024

Signature: 
Scientific Associate Name:
Prof. Dkheel Hussain
Date: 6/10/2024

The file is checked by:
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:

Date: 6/10/2024
Signature: 
Ahmed Abdullah Sultan




Approval of the Dean

1. Program Vision

The College of Veterinary Medicine at Tikrit University aims to become a pioneering and distinguished institution for education, research, and extension, dedicated to enhancing the educational process both regionally and internationally. This goal is achieved by adhering to Arab and international quality assurance standards and policies for university performance and determined excellence and creativity in the veterinary medicine profession.

We focus on creating competencies in veterinary medicine that can keep pace with scientific and professional advancements. This is accomplished by continually developing and updating curricula to ensure that graduates can perform their duties efficiently and meet the requirements of the labor market, thereby providing the best services to society.

2. Program Mission

The College of Veterinary Medicine at Tikrit University seeks to provide an appropriate educational environment to prepare veterinarians with distinguished scientific and practical skills in their field of work. The college actively follows up on projects and plans, develops research, and implements initiatives to protect livestock and address issues that preserve human and animal health while ensuring food safety.

The College of Veterinary Medicine will also undertake projects and scientific research that contribute to providing innovative solutions to support the national economy in collaboration with relevant authorities, aiming to achieve sustainable development in education, health, and food according to the standards set by the Education Council for Iraqi Veterinary Colleges

3. Program Objectives

- 1- Knowledge and understanding of veterinary medicine and related local, regional and international standards
- 2- Scientific skills that enable diagnosing veterinary parasites and dealing with various pathological conditions in animals and methods of treatment
- 3- Thinking and analytical skills that enable solving emerging problems in the field of livestock, common diseases and basic sciences, following local, regional and international standards.
- 4- Use and self-development skills that enable competition with others in the labor market

4. Program Accreditation

National Council for Accreditation of Veterinary Medicine College

5. Other external influences

European System of Evaluation of Veterinary Training (ESEVT)
European Association of Establishments for Veterinary Education” (EAEVE)
European Coordinating Committee on Veterinary Training (ECCVT)
European Board for Veterinary Specialization” (EBVS)
World Organization of Animal Health (WOAH)

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	2	90 (1 st course) 90 (2 nd course)		
College Requirements	yes			
Department Requirements	yes			
Summer Training	yes			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2024-2025		Parasitology	theoretical	Practical

8. Expected learning outcomes of the program

Knowledge

informing students about the different genera of parasites(morpholgy and pyysiology), most important types of parasites, their life cycle, and the diseases they cause

Skills

diagnosis

treatment

Ethics**9. Teaching and Learning Strategies**

1-The lecture

2- Discussion

3- Holding discussion circles

4- Holding training courses in the field of applications and practicality

5- Providing students with the basics and additional topics related to the previous learning outcomes of skills, to solve practical problems.

10. Evaluation methods

Monthly and final exams , seminars and reports.

11. Faculty

Faculty Members						
Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Prof.Dr.Omaima Ibrahim Mahmood	Biology	Parasitology			Staff	
Assist.Dr. Sanaa Saoud Ahmed	Biology	Biology			Staff	

Professional Development
Mentoring new faculty members
Conducting seminars, training courses and workshops to provide them with skills and experience
Professional development of faculty members

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
Arthropods, protozoa and helminthes, S.Soulsby (1982)

14. Program Development Plan
Following up on common diseases and their epidemiology, modern diagnostic methods, and knowing the most important newly invented treatments and vaccines

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
2024-2025/Third level		parasitology	basic												

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

Course Description Form

1. Course Name: advanced and clinical parasitology	
parasitology	
2. Course Code:	
3. Semester / Year: 2024–2025	
semester	
4. Description Preparation Date:	
2024	
5. Available Attendance Forms:	
Weekly	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hrs. / 2 hrs weekly(theoretical), 30 hrs./ 2 hrs. weekly (practical) /First a Second course	
7. Course administrator's name (mention all, if more than one name)	
<p>Theoretical Name: Dr. Omaima I. Mahmood Email: dr.omaimapara@tu.edu.iq Dr. Sanaa Saoud Ahmed Email: Sanaa.s.ahmed@tu.edu.iq Practical : Zeyad Taha Hussein Zeyad81@tu.edu.iq Sura Ismail Ibrahim Sura.ismail@tu.edu.iq</p>	
8. Course Objectives	
<p>Course Objectives</p>	<ul style="list-style-type: none"> • This course aims to give the student a complete idea about parasitic diseases from ancient times to the present through the study of several parasitic diseases and methods of detection using modern technologies. • 2- Providing the student with practical and theoretical information on how to study and culture microscopic organisms and follow modern molecular methods in diagnosing some parasitic diseases that affect humans and animals..... • •

9. Teaching and Learning Strategies

Strategy	<p>1-Giving lectures (explanation and clarification).</p> <p>2- Using technological educational means as teaching aids (educational film electronic lectures).</p> <p>3- Self-learning method by supporting a learner-centered learning environment.</p> <p>4- Urging students to use the library as a learning method</p> <p>5- Developing students' ability on the subject of microorganisms, their dangers, methods of transmission between humans and animals, and how to treat them with antibiotics.</p>
-----------------	--

10. Course Structure

Course level: third year
Course Name: Theoretical Parasitology
Semester: First and Second

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-2	4	Introduction About Parasitology (general terms, classification parasites)	Advanced Parasites	Explaining With PPT	Questions Exams reports
3-14	26	families and important genera (morphology, structure, life cycle)			
Mid holiday	Monthly exam				
Second Course 1-15	60	nematodes, trematodes, Cestoda, Protozoa according to their pathogenicity diagnosis and treatment			
		Monthly exam			

Practical Parasitology

Week	Hours	Required Learning Outcomes	Unit/Subject Name	Learning Method	Evaluation Method
------	-------	----------------------------	-------------------	-----------------	-------------------

1	2	Microscopy basics; observing protozoan cultures	Introduction to Protozoa	Lecture & Microscopy Practice	Quiz on Protozoa basics
2	2	Lab identification of Entamoeba and Giardia in fecal samples	Entamoeba and Giardia	Lecture & Lab Identification	Lab report on Entamoeba and Giardia
3	2	Blood smear preparation and identification of Babesia and Theileria.	Babesia and Theileria	Lecture & Blood Smear Preparation	Blood smear identification
4	2	Examination of slides for Leishmania and Trypanosomasp.	Leishmania and Trypanosoma	Lecture & Slide Examination	Slide identification
5	2	Detection methods for Trichomonas and Toxoplasma in clinical samples	Trichomonas and Toxoplasma	Lab Detection Methods	Practical exam
6	2	Microscopic examination of samples for Sarcocystis and Eimeria.	Sarcocystis and Eimeria	Lecture & Microscopy Practice	Quiz on Sarcocystis and Eimeria
7	3	Blood smear preparation and identification of Plasmodium	Plasmodium	Lecture & Case Study Analysis	Case study presentation
Mid Exam					
		Collection and identification of local arthropods			
8	3	Examination of flea and lice specimens; life cycle observation	Introduction to Arthropoda	Lecture & Field Collection	Field collection report
9	3	Identification and collection of mosquito larvae; discussion on vector control.	Fleas and Lice	Lecture & Specimen Examination	Specimen identification
10	3	Case studies and examination of infected specimens	Insects	Lecture & Field Activity	Field report on mosquito collection
11	3	Tick identification and examination of life stages	Myiasis	Lecture & Case Studies	Case study analysis
12	3	Tick removal techniques and discussion on tick-borne diseases	Ticks I	Lecture & Tick Identification	Lab report on tick identification
13	3	Microscopic examination of mite and crustacean samples	Ticks II	Lecture & Tick Removal Techniques	Practical exam on tick removal

14	3	Examination of flea and lice specimens; life cycle observation	Mites and Crustacea	Lecture & Microscopy Practice	Quiz on mites and crustaceans
15	3	Critical Thinking and Analysis	Review and Integration	Review Session & Group Discussion	Final exam & group presentation

Final exam

11. Course Evaluation

The distribution of marks is as follows: 40 marks for the annual assessment and 60 marks for the final exams."

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Arthropods, protozoa and helminth S.Soulsby (1982)
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	