

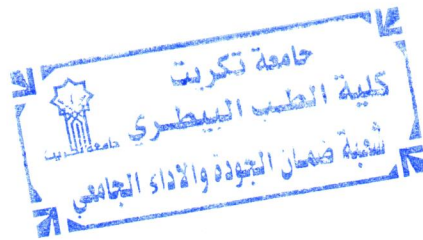
طبعة

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

2025-2026



## **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: College of Veterinary Medicine

Scientific Department: Microbiology

Academic or Professional Program Name: Parasitology

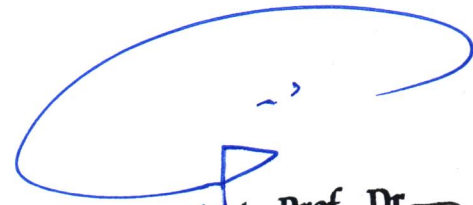
Final Certificate Name: BSc degree in Veterinary Medicine

Academic System: Courses

Description Preparation Date: 5\10\2025

File Completion Date: 6\11\2025

Signature:   
Head of Department Name: Sanaa S. Ahmed  
Date: 6/11/2025

Signature:   
Scientific Associate Name: Nantaser M. Helal  
Date: 6/11/2025

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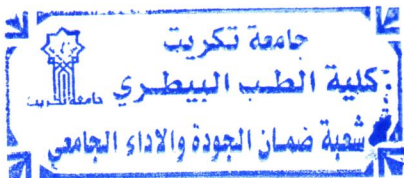
Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Asist. Prof. Dr.  
Ahmed Abdullah Sultan

Date: 6/11/2025

Signature: 



Tikrit University  
College of Veterinary Medicine  
Prof. Dr. Bashar Sadig Noomi  
Dean of the College

Approval of the Dean

Final Certificate of Completion

Department of Health Services

State of California, Department of Health Services

Department of Health Services

Department of Health Services

Department of Health Services

Department of Health Services

Department of Health Services

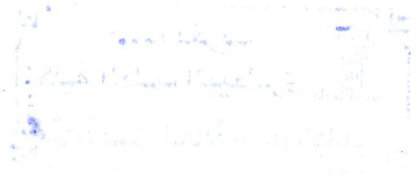
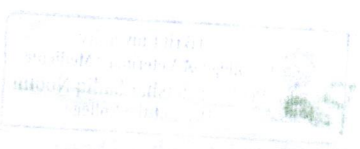
Department of Health Services

Signature of  
Scientific Director  
Date 01/12/2012

Signature of  
Scientific Director  
Date 01/12/2012

Signature of  
Scientific Director  
Date 01/12/2012

Asst. Dir. of  
Ahmed Abdullah Sultan



### 1. Program Vision

Teaching parasitology seeks to provide students with sufficient knowledge of parasites(morphology and physiology), pathogenic species and methods of diagnosis and treatment

### 2. Program Mission

Providing students with knowledge and skills in diagnosing and treatment of parasitic diseases

### 3. Program Objectives

- 1- Knowledge and understanding of veterinary medicine and related local, regional and international standards
- 2- Scientific skills that enable diagnosing veterinary parasite 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, in accordance with local, regional and international standards.
- 4- Use and self-development skills that enable competition with others in the labor market

### 4. Program Accreditation

-

### 5. Other external influences

-

## 6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	2	90 (1 <sup>st</sup> course) 90 (2 <sup>nd</sup> 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	
			theoretical	Practical
2025		Parasitology		

## 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.(PhD)Omaima Ibrahim Mahmood Lecturer .	Biology	Parasitology			Staff	
	Veterinary Medicine	Parasitology			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		
Master		Advanced and clinical 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: 2025	
semester	
4. Description Preparation Date:	
2025/10/05	
5. Available Attendance Forms:	
Attendance only	
6. Number of Credit Hours (Total) / Number of Units (Total)	
30 hrs. / 2 hrs weekly( theoretical), 30 hrs./ 2 hrs. weekly (practical)	
7. Course administrator's name (mention all, if more than one name)	
Name: Dr. Omaima I. Mahmood	
Email: <a href="mailto:dr.omaimapara@ut.edu.ig">dr.omaimapara@ut.edu.ig</a>	
Lect. <del>Sura Ismail Ibrahim</del>	Email: <del>Sura.ismail@tu.edu.ig</del>
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 2- Providing the student with practical and theoretical information on how to study and culture microscopic organisms and follow modern molecular methods in diagnosing several parasitic diseases that affect humans and animals.....</li> <li>• .....</li> <li>• .....</li> </ul>
9. Teaching and Learning Strategies	
Strategy	<p>1-Giving lectures (explanation and clarification).</p> <p>2- Using technological educational means as teaching aids (educational films, electronic lectures).</p> <p>3- Self-learning method by supporting a learner-centered learning environment.</p>

- 4- Urging students to use the library as a learning method
- 5- Developing students' ability on the subject microorganisms, their dangers, methods of transmission between humans and animals, and how to treat them with antibiotics.

### 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				
16-30	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 helminthes, S.Soulsby (1982)
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	

