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**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



2026-2025

## **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 annually through internal or external audit procedures and programs like the External Examiner Program.

The academic program description is a 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 essential 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 academic programs and course descriptions 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: Anatomy and histology

Academic or Professional Program Name: veterinary medicine

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:

Asst. Prof. Dr. Bader Khatlan Hassan

Head of the Department of  
Histology and Anatomy  
Date: 6 /11/2025

Signature:

Scientific Associate Name:

Asst. Prof. Dr.  
Montaser M. Helal  
Date: 6 /11/2025

The file is checked by:

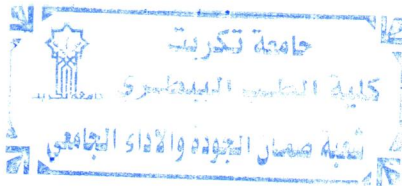
Department of Quality Assurance and University Performance

Asist. Prof. Dr.  
Ahmed Abdullah Sultan

Director of the Quality Assurance and University Performance Department:

Date: 6 /11/2025

Signature:



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



وزارة التعليم العالي والبحث العلمي -  
العراق  
جامعة تكريت  
كلية الطب البيطري



## MODULE DESCRIPTION FORM

### نموذج وصف المادة الدراسية

Module Information			
معلومات المادة الدراسية			
Module Title	Basic histology		Module Delivery
Module Type	Core Basic		<input type="checkbox"/> Theory <input type="checkbox"/> Lecture <input type="checkbox"/> Lab <input type="checkbox"/> Practical <input type="checkbox"/> Seminar
Module Code	VET202		
ECTS Credits	5.00		
SWL (hr./sem)	125		
Module Level	1	Semester of Delivery	
Administering	General Health	College	College of Veterinary Medicine
Module Leader	Ayad Hameed Ibrahiem	e-mail	<a href="mailto:ayadibraheem1960@tu.edu.iq">ayadibraheem1960@tu.edu.iq</a>
Module Leader's Acad.	Professor	Module Leader's Qualification	Ph.D.
Module Tutor	Ph.D. Mahmood Nawfal	e-mail	<a href="mailto:mahmood_nawfal@tu.edu.iq">mahmood_nawfal@tu.edu.iq</a>
Peer Reviewer Name		e-mail	
Scientific Committee Approval Date	2025-2026	Version Number	1.0

## Relation with other Modules

### العلاقة مع المواد الدراسية الأخرى

<b>Prerequisite module</b>	None	<b>Semester</b>	
<b>Co-requisites module</b>	None	<b>Semester</b>	

## Module Aims, Learning Outcomes and Indicative Contents

### أهداف المادة الدراسية ونتائج التعلم والمحتويات الإرشادية

<b>Module Objectives</b> أهداف المادة الدراسية	<ol style="list-style-type: none"><li>1. To provide students with a detailed description of the basic structure and function of the four primary tissues: epithelium, connective tissue, muscle, and nervous tissue.</li><li>2. To train students in the use of the light microscope for identifying histological specimens.</li><li>3. To develop the skill of correlating tissue structure (histology) with its specific function (physiology).</li><li>4. To establish a foundational knowledge of cell and tissue biology essential for understanding future subjects like pathology, physiology, and parasitology.</li></ol>
<b>Module Learning Outcomes</b> مخرجات التعليم للمادة الدراسية	<p>On successful completion of this module, a student will be able to :</p> <ol style="list-style-type: none"><li>1. Identify the four basic types of tissues and their major sub-types under the light microscope.</li><li>2. Describe the characteristic features, classification, and functions of each tissue type.</li><li>3. Differentiate between various cells and extracellular components in histological preparations.</li><li>4. Correlate the microscopic structure of each tissue with its physiological role in the body.</li><li>5. Handle microscopes and histological slides proficiently and safely in a laboratory setting.</li><li>6. Accurately draw and label histological specimens.</li></ol>

<p><b>Indicative Contents</b> المحتويات الإرشادية</p>	<p>This course provides fundamental knowledge in the field of histology, emphasizing the integration of structure and function. The theoretical component covers the detailed study of cells, basic tissues, and their organ systems. The practical component reinforces theoretical knowledge through microscopic examination of prepared slides, developing essential diagnostic skills for identifying normal tissue morphology. The course is structured as 2 hours of theoretical lectures and 2 hours of practical laboratory work per week.</p>
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<p><b>Learning and Teaching Strategies</b> استراتيجيات التعلم والتعليم</p>	
<p><b>Strategies</b> الاستراتيجيات</p>	<p>The learning and teaching strategy is designed to integrate theory with practical hands-on experience. Theoretical lectures will utilize PowerPoint presentations with high-quality images and diagrams to explain concepts. Practical laboratory sessions are central to the module, allowing students to directly observe and identify tissues using microscopes. Learning is supported through interactive quizzes, assignments, and the preparation of detailed lab reports. The focus is on active learning and developing the student's ability to diagnose normal histological structure independently.</p>

### Student Workload (SWL)

الحمل الدراسي للطلاب محسوب ل ١٥ اسبوعا

<b>Structured SWL (h/sem)</b> الحمل الدراسي المنتظم للطلاب خلال	78	<b>Structured SWL (h/w)</b> الحمل الدراسي المنتظم للطلاب أسبوعيا	5.2
<b>Unstructured SWL (h/sem)</b> الحمل الدراسي غير المنتظم للطلاب خلال	97	<b>Unstructured SWL (h/w)</b> الحمل الدراسي غير المنتظم للطلاب أسبوعيا	6.5
<b>Total SWL (h/sem)</b> الحمل الدراسي الكلي للطلاب خلال الفصل	175		11.7

### Module Evaluation

تقييم المادة الدراسية

As		Time / Number	Weight (Marks)	Week Due	Relevant Learning Outcome
<b>Formative assessment</b>	Quizzes	2	10% (10)	5 and 10	LO #1, #2 and #3
	Assignments	2	10% (10)	4 and 12	LO #4 and #6
	Projects / Lab.	1	10% (10)	Continuou	All LOs
	Report	1	10% (10)	13	LO #5, #6
<b>Summative assessment</b>	Midterm	2hr	10% (10)	7	LO #1 - #4
	Final Exam	3hr	50% (50)	16	All LOs
<b>Total assessment</b>			100% (100 Marks)		

**Delivery Plan (Weekly Syllabus of histological theory)**  
**المنهاج الاسبوعي النظري (للكورس الاول)**

<b>Week</b>	<b>Material Covered</b>
<b>Week 1</b>	Introduction to histology techniques of histological preparation microscopy
<b>Week 2</b>	The cell detailed structure of organelles and inclusions
<b>Week 3</b>	Epithelial tissue 1 classification structure and function of covering epithelial
<b>Week 4</b>	Epithelial tissue 2 glandular epithelial classification and structure of exocrine and endocrine glands
<b>Week 5</b>	Connective tissue 1 introduction function and cells of connective tissue
<b>Week 6</b>	connective tissue 2 extracellular matrix fibers (collagen, elastic, reticular) and ground substance
<b>Week 7</b>	<b>Midterm exam</b>
<b>Week 8</b>	Cartilage types (hyaline, elastic, fibrocartilage) structure and function.
<b>Week 9</b>	Bone histophysiology of bone tissue cells of bone and types of bone
<b>Week 10</b>	Muscle tissue structure types skeletal cardiac and smooth and their comparison
<b>Week 11</b>	Nervous tissue 1 neurones structure types and functional classification
<b>Week 12</b>	Nervous tissue 2 neuroglia types and function in CNS and PNS.
<b>Week 13</b>	Cardiovascular system histology of artery vein and capillary histology of the heart
<b>Week 14</b>	Lymphoid system histology of lymph node spleen and thymus
<b>Week 15</b>	Integumentary system histology of skin and its derivatives hair and glands
<b>Week 16</b>	<b>Preparatory week before the final Exam</b>

Delivery Plan (Weekly Lab. Syllabus)	
المنهاج الاسبوعي للمختبر	
Week	Material Covered
Week 1	Lab 1: introduction to light microscope handling and care
Week 2	Lab 2: Study of cell structure using prepared slides
Week 3	Lab 3: identification of simple and stratified epithelial
Week 4	Lab 4: identification of exocrine and endocrine glands
Week 5	Lab 5: loose and dense connective tissue adipose tissue
Week 6	Lab 6: blood smear identification of erythrocytes, leukocytes and platelets
Week 7	Lab 7: practical midterm quiz slide test
Week 8	Lab 8: S identification of the three types of cartilage
Week 9	Lab 9: compact bone and developing bone
Week 10	Lab 10: comparison of the three types of muscle tissue
Week 11	Lab 11: spinal cord and peripheral nerve Ganglia
Week 12	Lab 12: cerebellum and cerebrum
Week 13	Lab 13: large artery and vein aorta vs vena cava
Week 14	Lab 14: lymph nodes and spleen
Week 15	Lab 15: skin comprehensive slide review
Week 16	Final Exam

Learning and Teaching Resources		
مصادر التعلم والتدريس		
	Text	Available in the library?
Required Texts	Junqueira's Basic Histology: Text and Atlas, 16th Edition (or latest)	Yes
Recommended Texts	Wheater's Functional Histology: A Text and Colour Atlas.	yes
Websites	<a href="#">Histology guide.</a> <a href="#">blue Histology.</a> Virtual Microscopy Databases	

## Grading Scheme

### مخطط الدرجات

Group	Grade	التقدير	Marks %	Definition
Success Group (50 - 100)	A - Excellent	امتياز	90 - 100	Outstanding Performance
	B - Very Good	جيد جدا	80 - 89	Above average with some errors
	C - Good	جيد	70 - 79	Sound work with notable errors
	D - Medium	متوسط	60 - 69	Fair but with major shortcomings
	E - Sufficient	مقبول	50 - 59	Work meets minimum criteria
Fail Group (0 - 49)	FX - Fail	راسب ( قيد )	(45-49)	More work required but credit Awarded
	F - Fail	راسب	(0-44)	Considerable amount of work required

**Note:** Marks Decimal places above or below 0.5 will be rounded to the higher or lower full mark mark of 54.5 will be rounded to 55, whereas a mark of 54.4 will be rounded to 54. The University to condone "near-pass fails" so the only adjustment to marks awarded by the original mark automatic rounding outlined above.

A.H

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Prof. Dr. Ayad H. Ibraheem