

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 staP 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, quaJerly), 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: veterinary college

Scientific Department: Medicin, Surgery & Obstetrics

Academic or Professional Program Name: Male Fertility And Artificial Insemination

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery

Academic System: Courses

Description Preparation Date: 5/10/2025

File Completion Date: 6/11/2025

Signature:

Head of Department Name:

Date: 6/ 11/2025

Pro.Asst.
Dr.Nawaf Nooraldeen Dhafer
Head of Department of Medicine
Surgery & Obstetric

Signature:

Scientific Associate Name:

Date: 6/ 11/2025

Asst . Prof . Dr
Montaser M. Helal

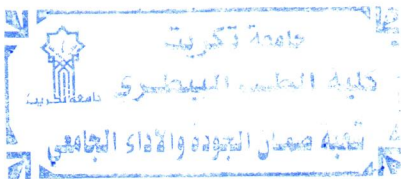
The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 6/11/2025

Signature:



Asist . Prof. Dr.

Ahmed Abdullah Sultan

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

Approval of the Dean

1. Program Vision

Building a generation of veterinarians with sufficient expertise in examining and diagnosing all animal diseases, as well as treating them surgically, in service to the community and reducing economic losses resulting from injuries requiring surgical intervention.

2. Program Mission

To provide scientific and practical background to students in the final stages of the college in the field of examining and diagnosing various disease conditions that affect animal productivity and fertility and require therapeutic or surgical intervention, and to raise the level of scientific research to develop livestock in the country.

3. Program Objectives

1. Graduating veterinarians capable of examining animals, diagnosing diseases, and treating them.
2. Graduating veterinary staff capable of supervising livestock farms and stations.
3. Graduating veterinarians capable of working in artificial insemination centers.
4. Graduating veterinarians capable of diagnosing and treating problems that occur in animals during pregnancy and birth.

4. Program Accreditation

Program accreditation of Iraqi veterinary colleges

5. Other external influences

Iraqi universities, Ministry of Agriculture, General Authority for Veterinary Services

6 Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	90	90		Primary corse
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	
2025-2026 / Fifth	VEC5111	Male fertility and artificial insemination	theoretical	practical
			1	2

8. Expected learning outcomes of the program

Knowledge

A- Knowledge and Understanding

A1- The student must learn methods of examining animals and how to collect samples for laboratory testing.

Learning Outcomes 2

Learning Outcomes Statement 2

Learning Outcomes 3

Learning Outcomes Statement 3

Learning Outcomes 4

Learning Outcomes Statement 4

Learning Outcomes 5

Learning Outcomes Statement 5

A2- The student must learn laboratory testing methods and how to diagnose diseases.

A3- The student must have sufficient scientific background knowledge of various animal diseases.

A4- The student must have sufficient scientific background knowledge of different animal reproduction methods.

A5- The student must possess sufficient information to understand zoonotic diseases and methods of prevention.

A6- The student must be familiar with diseases and problems that animals may experience during pregnancy and birth.

Skills

1. Planning Skills (Preparing the student to engage with the lesson and understand the topics to be covered during the lecture by selecting effective teaching methods)
 2. Implementation Skills (Preparing the student to prepare for the lesson by asking questions, varying stimuli, and changing tone of voice)
 3. Assessment Skills (Knowledge of questions and their types, preparing tests, and critical feedback)
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9. Teaching and Learning Strategies

- To teach students the ability to diagnose diseases.
 - To teach students the ability to treat animals.
 - To teach students how to raise and handle animals.
-

10. Evaluation methods

1. Written tests
 3. Oral and practical tests
 4. Surprise and rapid-fire questions
 5. Daily participation and reports
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11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Doctor Professor	Medicin, Surgery & Obstetrics	obstetrics			staff	
Assistant Professor doctor						

Professional Development

Introducing faculty members to the college and university's mission, objectives, and academic and administrative regulations.

Explaining the systems related to teaching, assessment, quality assurance, and research ethics.

Familiarizing them with electronic services, the library, scientific databases, and approved educational systems.

Holding an orientation meeting with the department head and faculty members to explain the organizational structure and job responsibilities.

Providing faculty members with the study plan and course syllabi for the courses they will be teaching.

Familiarizing them with the teaching laboratories, veterinary clinics, teaching hospital, and the equipment used in the field of veterinary obstetrics and reproduction.

Explaining the mechanisms for supervising clinical training, scientific research, and student projects.

12. Acceptance Criterion

Central Admissions System

13. The most important sources of information about the program

The college and university website.

- Textbooks approved by the Ministry of Higher Education and Scientific Research

14. Program Development Plan

1. Increase field visits to governmental and private projects
2. Encourage visits to the college library and the university's central library
3. Urge students to take advantage of summer training opportunities at veterinary centers and the teaching hospital
4. Improve research projects and graduation projects

Course Description Form

1. Course Name:	
Male fertility and artificial insemination	
2. Course Code:	
VEC5111	
3. Semester / Year:	
First semester / Fifth year	
4. Description Preparation Date:	
5/10/2025	
5. Available Attendance Forms:	
Student attendance is essential and not distance learning.	
6. Number of Credit Hours (Total) / Number of Units (Total)	
45 hours/2 units	
7. Course administrator's name (mention all, if more than one name)	
Name: maythem abduelah ismaeel	
Email: dr.maythem.ir.iq@tu.edu.iq	
8. Course Objectives	
<p>Course Objectives</p> <p>1- Graduating veterinarians capable of examining animals, diagnosing diseases, and treating them.</p> <p>2- Graduating veterinary staff capable of supervising livestock farms and stations.</p> <p>3- Graduating veterinarians capable of working in artificial insemination centers.</p> <p>4- Graduating veterinarians capable of diagnosing and treating problems that occur in animals during pregnancy and birth.</p> <p>5- The branch organizes seminars to develop the skills of veterinarians working in the livestock sector.</p>	<p>.....</p> <p>.....</p> <p>.....</p>
9. Teaching and Learning Strategies	
Strategy	<ul style="list-style-type: none"> - To teach students the ability to diagnose diseases. - To teach students the ability to treat animals. - To teach students how to raise and handle animals.

10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1-2	2 theory	Introducing students to puberty and sexual maturity	Male Puberty and Maturity	Lecture and explanation	Daily exam questions and discussion
	4 practical	Identifying the parts of the reproductive system	Anatomy of Male Genital Organs	Lecture and explanation with PowerPoint presentation,	, questions and discussion, daily exam
3-4	2 theory	Understanding hormonal control of reproduction	Hormonal control of male Reproductive system .	Lecture and explanation	Daily exam questions and discussion
	4 practical	Understanding how to perform a reproductive health check	Breeding Soundness	Lecture, explanation, and PowerPoint presentation with sample previews	Daily exam questions and discussion
5	1 theory	Understanding the normal physiology of spermatogenesis	Spermatogenesis	Lecture and explanation	Daily exam questions and discussion
	2 practical	Understanding methods of semen collection	Semen Collection	Lecture and explanation with PowerPoint presentation	Daily exam questions and discussion
6.	First semester theoretical exam with practical exam				
7-8	2 Theory	Understanding the components of seminal fluid and sperm metabolism	Composition of Semen	Lecture and explanation	Daily exam questions and discussion
	4 Practical	Semen analysis	Sperm metabolism	Lecture, explanation, and PowerPoint presentation	Daily exam questions and discussion
9-10	2 Theory	Understanding methods of semen collection and analysis	Methods of Semen Collection	Lecture and explanation	Daily exam questions and discussion
	4 Practical	Performing semen dilutions	Semen Dilution	Lecture, explanation, and PowerPoint presentation	Daily exam questions and discussion
11-12	2 Theory	Understanding methods of semen dilution and storage	Methods of Semen Dilution	Lecture and explanation	Daily Exam Questions and Discussion
	4 Practical	Semen storage	Methods of Semen Dilution	Lecture, explanation, and PowerPoint presentation	Daily Exam Questions and Discussion

13-14	2 Theory	And how to perform artificial insemination of cows	Insemination and Sperm Transport Infertility in Male Animals	Lecture and explanation	Artificial Insemination and Sperm Transport
	4 Practical	Understanding artificial insemination methods	Methods of Semen Storage	Lecture, explanation, and PowerPoint presentation	Daily Exam Questions and Discussion
15	Second exam, first semester				

11. Course Evaluation					
The grade is out of 100 and distributed as follows: 30 marks for monthly exams, 5 for daily exams and quizzes, and 5 for reports. 60 marks for the final exam.					
12. Learning and Teaching Resources					
Required textbooks (curricular books, if any)			none		
Main references (sources)			Arthur's Veterinary Reproduction and Obstetrics		
Recommended books and references (scientific journals, reports...)			Current Therapy in Large Animal Theriogenology		
Electronic References, Websites			Faculty of Veterinary Medicine Website / Online Lectures/ Online Classroom		