

**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**



## **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 3/29.6 on 3/0/2.23 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.

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### Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: Veterinary Medicine

Scientific Department: Medicine, Surgery and Obs.

Academic or Professional Program Name: Fertility

Final Certificate Name: Bachelor of Veterinary Medicine and Surgery

Academic System: Semester

Description Preparation Date: 5 / 10/2024

File Completion Date: 6 / 10/2024

Signature:

Head of Department Name:

Montaser Mohamad Helal

Date: 6/10/2024

Signature:

Scientific Associate Name:

Prof. Dakheel Hussein Hedree

Date: 6/10/2024

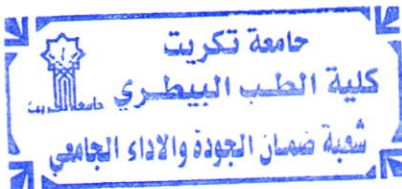
The file is checked by:

Assist. Prof. Dr Ahmed Abdullah Sultan

Quality Assurance And University Performance Manager

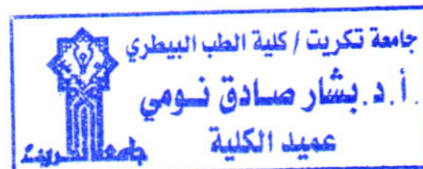
Date : 6 / 10 / 2024

Signature:



Approval of the Dean

Prof. Dr. Bashar Sadeq Numi





### ١. Program Vision

Program vision is written here as stated in the university's catalogue and website.

Teaching students how to deal with various infection cases that may occur or be performed on different animals, as well as teaching the subject of veterinary obstetrics and various reproductive diseases that are taught within the subjects of the First and third stages.

### ٢. Program Mission

Program mission is written here as stated in the university's catalogue and website.

The courses of the microbiology department enable the student to know and understand the relationship between the department subjects and other closely related science courses, such as physiology and diseases, and their relationship to the functions of organs, and how to benefit from this knowledge in other applied sciences.

### ٣. Program Objectives

General statements describing what the program or institution intends to achieve.

Providing students with integrated knowledge of microbiology sciences, veterinary obstetrics, and technologies that helps them scientifically and practically in understanding and assimilating other veterinary sciences.

### ٤. Program Accreditation

Does the program have program accreditation? And from which agency?

No

### ٥. Other external influences

No

6 Program Structure				
Program Structure	Number of Courses	Credit hours	Percentage	Reviews•
Institution Requirements	0	10	7%	
College Requirements	66	270	91.7%	
Department Requirements	-	-	-	
Summer Training	1	10	1.3%	
Other				

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

γ. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
Fifth	VEC-0111	Male fertility and AI	theoretical	practical
			10	3

#### α. Expected learning outcomes of the program

##### Knowledge

Learning Outcomes 1	Learning Outcomes Statement 1
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##### Skills

Learning Outcomes 2	Learning Outcomes Statement 2
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Learning Outcomes 3	Learning Outcomes Statement 3
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##### Ethics

Learning Outcomes 4	Learning Outcomes Statement 4
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Learning Outcomes 5	Learning Outcomes Statement 5
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Learning Outcomes 2	Learning Outcomes Statement 2
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Learning Outcomes 3	Learning Outcomes Statement 3
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Learning Outcomes 4	Learning Outcomes Statement 4
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Learning Outcomes 5	Learning Outcomes Statement 5
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#### β. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in the implementation of the program in general.

1- The method of delivery is accompanied by interrogation by asking direct questions to the students and involving them in the lecture.

2- Conducting various types of clinical examinations of the reproductive system in large and small animals in the animal field.

3- Assigning the student to write reports related to the course topics.

4- Displaying pictures and films of obstetric maneuvers through the data show device

#### γ. Evaluation methods

Implemented at all stages of the program in general.



١١. Faculty					
Faculty Members					
Academic Rank	Specialization		Special Requirements/Skills (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
١- Prof. Dr. maythem abdalilah asmial ٢- Assi. Prof. Dr. Nawaf Nooraldeen Dhafer ٣- Assi. Prof. Dr. Ali Aziz Abd	Veterinarian medicine	Obstetrics			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**

Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

**١٢. Acceptance Criterion**

(Setting regulations related to enrollment in the college or institute, whether central admission or others)

**١٣. The most important sources of information about the program**

State briefly the sources of information about the program.

**١٤. Program Development Plan**

### Program Skills Outline

				Required program Learning outcomes											
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A <sup>1</sup>	A <sup>2</sup>	A <sup>3</sup>	A <sup>4</sup>	B <sup>1</sup>	B <sup>2</sup>	B <sup>3</sup>	B <sup>4</sup>	C <sup>1</sup>	C <sup>2</sup>	C <sup>3</sup>	C <sup>4</sup>
Fifth	VEC <sup>0111</sup>	Male Fertility and Artificial Insemination		√	√	√	√	√	√	√	√	√	√	√	√
	VEC <sup>0112</sup>	Reproductive Techniques		√	√	√	√	√	√	√	√	√	√	√	√

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



## Course Description Form

1. Course Name:	
Male Fertility and Artificial Insemination	
2. Course Code:	
VEC0111	
3. Semester / Year:	
First semester 2023-2024	
4. Description Preparation Date:	
2024	
5. Available Attendance Forms:	
Mandatory attendance	
6. Number of Credit Hours (Total) / Number of Units (Total)	
Total Credit hours 30 (Theory +Practical) :Total Units 3	
7. Course administrator's name (mention all, if more than one name)	
Name: <b>Dr. Nawaf Nooraldeen</b> Email: <a href="mailto:nawaf...@tu.edu.iq">nawaf...@tu.edu.iq</a> Name: <b>Dr. maythem A Ismaeel</b> Email: <a href="mailto:dr.maythem.ir.ya@tu.edu.iq">dr.maythem.ir.ya@tu.edu.iq</a>	
8. Course Objectives	
<b>Course Objectives</b>	1-Identify the most important reproductive techniques in the field of veterinary medicine 2 -Teaching the student methods for examining the female reproductive system in various field animals 3-Identify methods of diagnosing reproductive diseases.
9. Teaching and Learning Strategies	
<b>Strategy</b>	1- The method of delivery is accompanied by interrogation by asking direct questions to the students and involving them in the lecture. 2- Conducting various types of clinical examinations of the reproductive system in large and small animals in the animal field. 3- Assigning the student to write reports related to the course topics. 4- Displaying pictures and films of obstetric maneuvers through the data show device



10. Course Structure					
Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation
		Outcomes			method
First	1	Introducing the student to puberty and sexual maturity	Breeding Soundness	Lecture	Exam
second	1	Identifying the normal physiology of sperm formation	Spermatogenesis	Lecture	Exam
Third	1	Identifying methods of semen collection	Semen Collection	Lecture	Exam
Fourth	1	Identifying the components of semen	Composition of Semen	Lecture	Exam
Fifth	1	Identifying the sperm metabolism	Sperm metabolism	Lecture	Exam
Ssixth	1	Identifying semen evaluation	Semen Evaluation	Lecture	Exam
Seventh	1	Identifying methods of semen collection and evaluation	Methods of Semen Collection	Lecture	Exam
Eighth	1	Identifying methods of semen collection and evaluation	Methods of Semen Evaluation	Lecture	Exam
Ninth	1		1 <sup>st</sup> exam		
Tenth	1	Identifying semen dilutions	Semen Dilution	Lecture	Exam
Eleventh	1	Identifying methods of semen dilution and storage	Semen Storage	Lecture	Exam
Twelvish	1	Identifying semen storage and how to perform artificial insemination of cows	Insemination Techniques	Lecture	Exam
Thirteenth	1	Identifying methods of artificial insemination and	Artificial Insemination and Sperm Transport	Lecture	Exam
Fourteenth	1	Identifying and diagnosing decreased fertility in males	Infertility in Male Animals	Lecture	Exam

Fifteenth	1		2 <sup>nd</sup> exam	Lecture	Exam
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<b>11. Course Evaluation</b>					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports.....etc					
<b>12. Learning and Teaching Resources</b>					
Required textbooks (curricular books, if any)			1- <b>Veterinary reproduction and (Noakes et.al. 2004)</b>		
Main references (sources)			2- <b>Veterinary endocrinology and reproduction (McDonalds and McDonalds 2003).</b>		
Recommended books and references (scientific journals, reports...)			3- <b>Veterinary endocrinology and reproduction (McDonalds and McDonalds 2003).</b>		
Electronic References, Websites			<b>Veterinary medical journals issued by Iraqi - .veterinary medical colleges Arab and international medical journals</b>		