

الكلية

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

the introduction

The educational program is considered a coordinated and organized package of academic vocabulary, courses that includes procedures and experiences organized in the form of academic the main purpose of which is to build and refine the skills of graduates, making them qualified to meet the requirements of the labor market. It is reviewed and evaluated annually through internal .as the external examiner program or external audit procedures and programs such

The description of the academic program provides a brief summary of the main features of the program and its courses, indicating the skills that students are working to acquire based on the am. The importance of this description is evident because it objectives of the academic progr represents the cornerstone of obtaining program accreditation, and the teaching staff participates in .writing it under the supervision of the scientific committees in the scientific departments

This guide, in its second edition, includes a description of the academic program after updating the vocabulary and paragraphs of the previous guide in light of the latest developments in the the academic program in its traditional educational system in Iraq, which included a description of form (annual, quarterly), in addition to adopting the description of the academic program circulated according to the book of the Department of Studies, 3/2906. On 3/5/2023 with regard to .Bologna Process as a basis for their work programs that adopt the  
In this area, we can only emphasize the importance of writing descriptions of academic programs .and courses to ensure the smooth conduct of the educational process

:Concepts and terminology

Description of the academic program: The description of the academic program provides a brief summary of its vision, mission, and goals, including an accurate description of the targeted .learning outcomes according to specific learning strategies

Description Course: Provides a necessary summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve, demonstrating whether he or rived from the program she has made the most of the available learning opportunities. It is de .description

An ambitious picture for the future of the academic program to be a developed, :Program Vision .inspiring, motivating, realistic and applicable program

necessary to achieve them, and It briefly explains the goals and activities :The program's mission .also defines the program's development paths and directions

These are statements that describe what the academic program intends to :Program objectives .leachieve within a specific period of time and are measurable and observab

All courses/study subjects included in the academic program according to :Curriculum structure the approved learning system (semester, annual, Bologna track), whether it is a requirement .with the number of study units ministry, university, college, or scientific department), along)

A consistent set of knowledge, skills, and values that the student has acquired :Learning outcomes after the successful completion of the academic program. The learning outcomes for each course .at achieves the program objectives must be determined in a way th

They are the strategies used by the faculty member to develop : Teaching and learning strategies the student's teaching and learning, and they are plans that are followed to reach the learning s all curricular and extracurricular activities to achieve the learning goals. That is, it describe .outcomes of the programme

Academic program description form



University name: University of... Tikrit...  
.....College/Institute: College of .....Veterinary Medicine  
..... Public Health .....Scientific Department: Branch  
.Name of the academic or professional program: Bachelor of Veterinary Medicine  
.Name of final degree: Bachelor of Veterinary Medicine and Surgery  
.Academic system: semester  
date Description preparation 20 – 1 – 2026 .  
Date of filling the file: 20 \ 1 \ 2026

Signature:

Head of Department Name:

**P.h.d. Ali Qays Jalil**  
Veterinary public health  
Date: 20 – 1 – 2026

Signature:

Scientific Associate Name:

Date: 20 – 1 – 2026  
**Asst. Prof. Dr. Montaser M. Helal**

Check the file before

Division of Quality Assurance and University Performance

:Name of the Director of the Quality Assurance and University Performance Division:

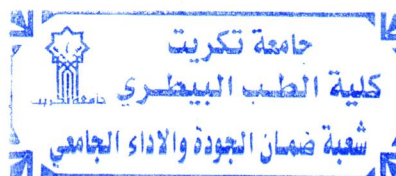
**Asist. Prof. Dr. Ahmed Abdullah Sultan**

the date: 20 \ 1 \ 2026

the signature

20 / 1 / 2025

Tikrit University  
College of Veterinary Medicine  
**Authentication of the Dean**  
Dean of the College



1. See the program

the to be one of the leading higher education institutions of Medicine Veterinary college Seeking in the field of modern education and scientific research through its scientific, Tikrit is University research and administrative activities. It also works to provide an integrated path for its students and professors to make them active and creative in serving society in the fields of teaching skills and sciences of veterinary medicine and animal care and husbandry

2. Program message

competencies in veterinary Working to prepare and graduate leading scientific and leadership medicine and its sciences and to develop the balance of knowledge in the field of scientific research to serve the local, regional and international community, as well as training and refining and cognitively, and emphasizing social and cultural values the minds of students scientifically and responding to the requirements of the local market

3. Program Goals

1. Applying the best Tikrit of a university Embodying the vision, mission and goals .educational practices with a focus on ensuring and enhancing quality and performance
2. and preparing for the Preparing specialized cadres capable of serving the community .preparation of future specializations
3. Raising the level of knowledge of the student in the field of veterinary medicine and statistical analysis programs and the preparing him "scientifically" so that he is familiar with tistics such as extracting the arithmetic mean, median, mode, standard deviations, rules of sta knowledge of statistical tests that are compatible with the nature of every scientific research, .etc
4. ements with The college seeks to conclude scientific and cultural cooperation agre corresponding colleges and corresponding departments in different colleges to achieve best .practices in the fields of education and learning
5. Focusing on the educational and moral aspects of all its members and spreading the .n, tolerance, commitment and work to serve the nationspirit of dedicatio
6. Paying attention to intellectual and cultural construction through openness to the .experiences of other countries in the fields of languages, literature and translation
7. need in the field of specialization by developing Working to meet the community's .various plans that keep pace with scientific and practical developments in this specialization

4. Program accreditation

Iraq National institutional accreditation standards for higher education institutions in

5. Other external influences
.library and internet, magazines and research + Animal breeding stations

6. Program structure				
* comments	percentage	Study unit	Number of courses	Program structure
Basic course		4	30	Enterprise requirements
			Yes	requirements College
			Yes	Branch requirements
			nothing	summer training
				Other

.Notes may include whether the course is core or elective \*

7. Program description				
Credit hours		Name of the course or course	Course or course code	Year/level
practical	theoretical	Statistics	VEH2113	2025-2026 Second

8. Expected learning outcomes of the programme	
Knowledge	
<p>1- .Cognitive goals</p> <p>2- the basics of statistics, such as measures of central Enabling students to know . and regression coefficients tendency, measures of dispersion, correlation</p> <p>3- the variance distribution table and statistical Enable students to know and understand tests such as theZ test and + T -test. square test-chi And</p>	
Skills	
<p>1- a tabular or data in Providing the student with skills in how to tabulate and display . graphical form</p> <p>2- apply statistical laws related to various Providing the student with skills in how to . statistical standards and evaluate the results of their application and interpretation</p> <p>3- to choose the appropriate skills Providing the student with the appropriate . statistical test for the objective of the prescribed scientific research</p>	

## Value

The importance of statistics appears from the fact that it is the means or tool through which facts formulated numerically, counted or estimated according to a standard and information can be collected at a reasonable level of accuracy, and these facts are collected on a regular, periodic basis for predetermined purposes and arranged in a way that shows the relationship between those facts. Therefore, Statistics is the science of estimates and probabilities. Therefore, statistics are used in many fields such as biological, medical, and agricultural sciences, and in the social sciences such as economics, sociology, psychology, chemistry, and sports. Therefore, statistical interpretation requires a sufficient degree of honesty and honesty.

## 9. Teaching and learning strategies

- 1- how to collect data from primary numerical information obtained from Knowing need to study the governmental or private sources or through testing a sample without the entire community
- 2- Organizing the data that is usually obtained with statistical tables or graphs for the purpose of processing it mathematically to facilitate access to it and identify some preliminary indicators
- 3- tically to extract numerical results that have statistical indicators Processing data mathematically such as measures of central tendency, dispersion, correlation and regression coefficients etc
- 4- how to analyze the results, which is one of the most important stages of the Learning process, without which the results remain just dumb, meaningless numbers

## 10. Evaluation methods

- 1- Daily, monthly and final exams
- 2- Practical tests
- 3- Reports
- 4- by conducting field visits to departments that have statistical data Student activities statistical records, such as the Statistics Department, weather forecasting and departments, and cow and sheep breeding stations

11. education institution						
Faculty members						
teaching staff		Preparing the		Special requirements/skills (if any)	Specialization	Scientific rank
lecturer	angel				private general	
	angel			Breeding and improving animals	animal production	Assistant Professor Dr
	angel			Finance - Auditing	management and economy	assistant teacher
	angel			Finance - Auditing	management and economy	assistant teacher

**Professional development**  
**Orienting new faculty members**  
 Guiding new members of the teaching staff on the optimal method for presenting and presenting theoretical aspect to lectures, emphasizing the practical aspect in the field and applying the .animals  
**Professional development for faculty members**  
 Explaining the mechanism for arranging and sequencing lectures, as well as the assessment and .evaluation methods used to fix grades for students

**12. Acceptance standard**  
 admission according to the electronic form prepared for this purpose Central

13. The most important sources of information about the program

- 1- .Prescribed methodological books
- 2- .External source books
- 3- .Specialized scientific websites
- . Rawi-ahmoud Al Dr. Congratulations written by book Introduction to Statistics

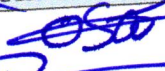

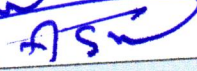
14. Program development plan

the course to Creating new vocabulary to be added annually.” %15

Provided that it is not less than



## Course description form

1.	: Course Name	
	Statistics	
2.	: Course Code	
	VEH2113	
3.	: Semester / Year	
	quarterly	
4.	was prepared Date this description:	
	20 - 1 - 2026	
5.	Available forms of attendance:	
	My presence only	
6.	:(Number of study hours (total)/number of units (total)	
	30. An hour annually	
	4. An hour a week	
7.	(Name of the course administrator (if more than one name is mentioned	
	Osama Hameed Shehab. <a href="mailto:osamahameed61@tu.edu.iq">osamahameed61@tu.edu.iq</a> 	
	Rana Waleid Khalid <a href="mailto:ranawaleed@tu.edu.iq">ranawaleed@tu.edu.iq</a> 	
	Asmaa Hasan Waadullah <a href="mailto:asmaa.w.hasan@tu.edu.iq">asmaa.w.hasan@tu.edu.iq</a> 	
8.	Course objectives	
	1- skills of how to tabulate and display data in a tabular or the Teach students . graphical form	
	2- in how to apply statistical laws related to various skills the student Teaching statistical standards and evaluate the results of their application and interpretation	
	3- the student the appropriate skills to choose the appropriate statistical Teaching . he prescribed scientific researchtest for the objective of t	
9.	Teaching and learning strategies	
	1- .Educational strategy, collaborative concept planning	The strategy
	2- .Brainstorming education strategy	
	3- Education Strategy Notes Series	

**16 - Course level: 2nd year**  
**Course Name: statistic /theoretical (2 hours), practical (2 hours)**  
**Semester: Second**

Evaluation method	Teaching method	Name of the unit/course or subject	Required learning outcomes	hours	the week
Daily exam questions and discussion	+ LECTURE data show	Definition statistics and statistical symbols . 4	statistics and Definition of statistical symbols	hours 4 4 + theoretical hours practical	2+1
Daily exam questions and discussion	+ LECTURE data show	Descriptive study of the data 2	Study data description	hours 2 2 + theoretical hours practical	3
Daily exam questions and discussion	+ LECTURE data show	Mediate measures (concentration) 2	Positioning metrics	hours 2 2 + theoretical hours practical	4
Daily exam questions and discussion	+ LECTURE data show	and differences 2	dispersion Measures of (difference)	hours 2 2 + theoretical hours practical	5
Daily exam questions and discussion	+ LECTURE data show	Simple regression and correlation	Simple regression and correlation	hours 2 2 + theoretical hours practical	6
Daily exam questions and discussion	+ LECTURE data show	Principles of probability	Principles of probability	hours 4 4 + theoretical hours practical	8-7
Daily exam questions and discussion	+ LECTURE data show	Discrete probability distributions	Discrete probability distribution	hours 2 2 + theoretical hours practical	9
Daily exam questions and discussion	+ LECTURE data show	Continuous probability distributions	probability distribution Continuous	hours 4 4 + theoretical hours practical	11-10
Daily exam questions and discussion	+ LECTURE data show	Hypotheses Tests	Hypothesis testing	hours 2 2 + theoretical hours practical	12
Daily exam questions and discussion	+ LECTURE data show	Z test	Z test	hours 2 2 + theoretical hours practical	13
Daily exam questions and discussion	+ LECTURE data show	t test	T test	hours 2 2 + theoretical hours practical	14
Daily exam questions and discussion	+ LECTURE data show	X <sup>2</sup> test. test	square test-Chi	hours 2 2 + theoretical hours practical	15

Dr. Ali Q. Jalil  
 Head of public health branch  
 20 - 1 - 2026