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

2024 - 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 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.

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Academic Program Description Form

University Name: Tikrit University

Faculty/Institute: Veterinary Medicine

Scientific Department: public health

Academic or Professional Program Name: Statistics

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:

Ph.D. Ali Qays Jalil

Date: 6/10/2024

Signature:

Scientific Associate Name:

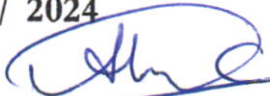Proph. Dakheel Hussein Hedree

Date: 6/10/2024

The file is checked by:

Assist. Prof . Dr Ahmed Abdullah Sultan

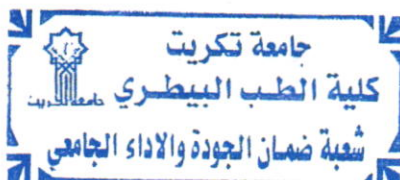Quality Assurance And University Performance Manager

Date : 6 / 10 / 2024

Signature:

Approval of the Dean

Prof. Dr. Bashar Sadeq Numi

جامعة تكريت
كلية الطب البيطري
شعبة ضمان الجودة والاداء الجامعي

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4.	Program accreditation

institutions in Iraq National institutional accreditation standards for higher education

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	College requirements
			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	2024–2025 Second

8.	Expected learning outcomes of the programme

Knowledge

1- .Cognitive goals
2- the basics of statistics, such as measures of central Enabling students to know . correlation and regression coefficients ‹tendency, measures of dispersion
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

Skills

1- a tabular or display data in Providing the student with skills in how to tabulate and . graphical form
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
3- to choose the appropriate appropriate skills Providing the student with the . statistical test for the objective of the prescribed scientific research

Value

The importance of statistics appears from the fact that it is the means or tool through which facts collected, formulated numerically, counted or estimated according to a and information can be 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, it can be called Statistics is the science of estimates and probabilities. Therefore, statistics are used in many fields such as biological, medical, and agricultural sciences, statistical interpretation ‹economics, sociology, psychology, chemistry, and sports. Therefore .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 without the need to study the governmental or private sources or through testing a sample .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- data mathematically to extract numerical results that have statistical indicators Processing ‹such as measures of central tendency, dispersion, correlation and regression coefficients .etc

4- the how to analyze the results, which is one of the most important stages of Learn . statistical 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- data by conducting field visits to departments that have statistical Student activities and statistical records, such as the Statistics Department, weather forecasting . departments, and cow and sheep breeding stations

11. education institution						
Faculty members						
Preparing the teaching staff		Special requirements/skills (if any)		Specialization		Scientific rank
lecturer	angel			private	general	
	angel			Animal feeding	animal production	Assistant Professor Dr
	angel			Breeding and improving animals	animal production	Assistant Professor Dr
	angel			Finance - Auditing	management and economy	assistant teacher
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Professional development
Orienting new faculty members
Guiding new members of the teaching staff on the optimal method for presenting and presenting lectures, emphasizing the practical aspect in the field and applying the theoretical aspect to animals.
Professional development for faculty members
Explaining the mechanism for arranging and sequencing lectures, as well as the assessment and methods used to fix grades for students evaluation.

12.	Acceptance standard

Central admission according to the electronic form prepared for this purpose

13.	The most important sources of information about the program

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

14.	Program development plan

the course to Creating new vocabulary to be added   than Provided that it is not less
annually." %15

Program skills chart

Learning outcomes required from the programme

Value				Skills				Knowledge				Essential or optional	Course Name	Course Code	Year/level
C4	C3	C2	C1	B4	B3	B2	B1	A4	A3	A2	A1				
	—					—					—				2024-2025
		⊗					⊗			⊗		Basic	Statistics	VEH 2113	the second

- Please check the boxes corresponding to the individual learning outcomes of the program subject to review

Course description form

1. : Course Name	
Statistics	
2. : Course Code	
VEH2113	
3. : Semester / Year	
quarterly	
4. was prepared Date this description:	
20 – 1 – 2025	
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	
Salih Najim Husain: salihnjim@tu.edu.iq	
Osama Hameed Shehab. osamahameed61@tu.edu.iq	
Rana Waleid Khalid ranawaleed@tu.edu.iq	
Asmaa Hasan Waadullah asmaa.w.hasan@tu.edu.iq	
8. Course objectives	

- 1- how to tabulate and display data in a tabular or skills of 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 appropriate skills to choose the appropriate statistical the student Teaching test for the objective of the prescribed scientific research .

9. Teaching and learning strategies	
1- .Educational strategy, collaborative concept planning	The strategy
2- .strategy Brainstorming education	
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	+ Lecturedata show	Definition statistics and statistical symbols . 4	Definition of statistics and statistical symbols	hours 4 4 + theoretical hours practical	2+1
Daily exam questions and discussion	+ Lecturedata show	Descriptive study of the data 2	Study data description	hours 2 2 + theoretical hours practical	3
Daily exam questions and discussion	+ Lecturedata show	Mediate measures (concentration) 2	Positioning metrics	hours 2 2 + theoretical hours practical	4
Daily exam questions and discussion	+ Lecturedata show	and differences2	Measures of dispersion (difference)	hours 2 2 + theoretical hours practical	5
Daily exam questions and discussion	+ Lecturedata show	Simple regression and correlation	Simple regression and correlation	hours 2 2 + theoretical hours practical	6
Daily exam questions and discussion	+ Lecturedata show	Principles of probability	Principles of probability	hours 4 4 + theoretical hours practical	8-7
Daily exam questions and discussion	+ Lecturedata show	Discrete probability distributions	Discrete probability distribution	hours 2 2 + theoretical hours practical	9
Daily exam questions and discussion	+ Lecturedata show	Continuous probability distributions	probability Continuous distribution	hours 4 4 + theoretical hours practical	11-10
Daily exam questions and discussion	+ Lecturedata show	Hypotheses Tests	Hypothesis testing	hours 2 2 + theoretical hours practical	12
Daily exam questions and discussion	+ Lecturedata show	Z test	Z test	hours 2 2 + theoretical practical hours	13
Daily exam questions and discussion	+ Lecturedata show	t test	T test	hours 2 2 + theoretical hours practical	14
Daily exam questions and discussion	+ Lecturedata show	X^2 test. test	square test-Chi	hours 2 2 + theoretical hours practical	15

Dr. Ali Q. Jalil
Head of public health branch
20 – 1 – 2025