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2024



Academic Program and Course Description Guide

the introduction

The educational program is considered a coordinated and organized package of academic courses that includes procedures and experiences organized in the form of academic vocabulary, 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 or external audit procedures and programs such as the external examiner program

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 objectives of the academic program. The importance of this description is evident because it 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 educational system in Iraq, which included a description of the academic program in its traditional 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 5/3/2023 with regard to programs that adopt the Bologna Process as a basis for their work

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

Course Description: 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 she has 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 a developed, inspiring, motivating, realistic and applicable program

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

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

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

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

Academic program description form

University name: University of... Tikrit...
.....College/Institute: College ofVeterinary Medicine
..... Public HealthScientific 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
Description preparation date 4 - 9 - 2023 .
.Date of filling the file: 02/20/2024

Signature:

Head of Department Name:

Ali Q. Jalil

Date: 20 - 2 - 2024

Signature:

Scientific Associate Name:

Dekhyl H. Hadry

Date: 20 - 2 - 2024



Check the file before

Division of Quality Assurance and University Performance

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

the date 20-2-2024

the signature



1. See the program

Seeking college Veterinary Medicine to be one of the leading higher education institutions of the University Tikrit is in the field of modern education and scientific research through its scientific, 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

Working to prepare and graduate leading scientific and leadership competencies in veterinary 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 the minds of students scientifically and cognitively, and emphasizing social and cultural values and responding to the requirements of the local market

3. Program Goals

1. Embodying the vision, mission and goals of a university Tikrit Applying the best educational practices with a focus on ensuring and enhancing quality and performance
2. Preparing specialized cadres capable of serving the community and preparing for the preparation of future specializations
3. Raising the level of knowledge of the student in the field of veterinary medicine and preparing him "scientifically" so that he is familiar with statistical analysis programs and the rules of statistics such as extracting the arithmetic mean, median, mode, standard deviations, knowledge of statistical tests that are compatible with the nature of every scientific research, etc
4. The college seeks to conclude scientific and cultural cooperation agreements with 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 spirit of dedication, tolerance, commitment and work to serve the nation
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. Working to meet the community's need in the field of specialization by developing various plans that keep pace with scientific and practical developments in this specialization

4. Program accreditation
National institutional accreditation standards for higher education institutions in Iraq

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

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	second /2024-2023

8. Expected learning outcomes of the programme
Knowledge
<ol style="list-style-type: none"> 1- .Cognitive goals 2- Enabling students to know the basics of statistics, such as measures of central tendency, measures of dispersion, correlation and regression coefficients 3- Enable students to know and understand the variance distribution table and statistical tests such as theZ test and , T -test. chi-square test And
Skills
<ol style="list-style-type: none"> 1- Providing the student with skills in how to tabulate and display data in a tabular or graphical form 2- Providing the student with skills in how to apply statistical laws related to various statistical standards and evaluate the results of their application and interpretation 3- Providing the student with the appropriate skills to choose the appropriate 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 and information can be collected, formulated numerically, counted or estimated according to 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, 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, economics, sociology, psychology, chemistry, and sports. Therefore, statistical interpretation requires a sufficient degree of honesty and honesty

9. Teaching and learning strategies

- 1- Knowing how to collect data from primary numerical information obtained from governmental or private sources or through testing a sample without the need to study 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- Processing data mathematically to extract numerical results that have statistical indicators such as measures of central tendency, dispersion, correlation and regression coefficients, etc
- 4- Learn how to analyze the results, which is one of the most important stages of the 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- Student activities by conducting field visits to departments that have statistical data 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	Doctor teacher
	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 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 .evaluation methods used to fix grades for students

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

14. Program development plan

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

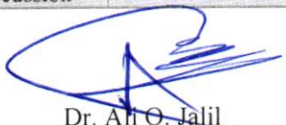
Provided that it is not less than

Course description form

1. : Course Name	
Statistics	
2. : Course Code	
VEH2113	
3. : Semester / Year	
quarterly	
4. Date this description was prepared:	
4 – 9 – 2023	
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	
.sein Saleh Najm Hus salihnjim@tu.edu.iq	
Osama Hameed Shehab. osamahameed61@tu.edu.iq	
Rana Waleid Khalid ranawaleed@tu.edu.iq	
Hasan millimeter . Asmaa Waadullahasmaa. w.hasan@tu.edu.iq	
8. Course objectives	
<p>1- Teach students the skills of how to tabulate and display data in a tabular or . graphical form</p> <p>2- Teaching the student skills in how to apply statistical laws related to various statistical standards and evaluate the results of their application and interpretation .</p> <p>3- Teaching the student the appropriate skills to choose the appropriate statistical . test for the objective of the prescribed scientific research</p>	
9. Teaching and learning strategies	
<p>1- .Educational strategy, collaborative concept planning</p> <p>2- .Brainstorming education strategy</p> <p>3- Education Strategy Notes Series</p>	The strategy

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



Dr. Ali Q. Jalil
 Head of public health branch
 20 - 2 - 2024