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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 of .....Veterinary Medicine

..... Public Health .....Scientific Department: Branch

...Name of the academic or professional program: Bachelor's

.Name of final degree: Bachelor of Veterinary Medicine and Surgery

.Academic system: semester

. Date of preparing the description: 9/5/2023

. Date of filling out the file: 02/02/2024

Signature:

Head of Department Name:

Ali Q. Jalil

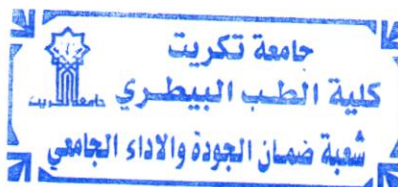
Date: 20 - 2 - 2024

Signature:

Scientific Associate Name:

Dekhyl H. Hadry

Date: 20 - 2 - 2024



the file before

Division of Quality Assurance and University Performance

Name of the Director of the Quality Assurance and University Performance

Division: M.M. Saif Khalil Ibrahim

Date: 2/20/2024

the signature

Signature of M.M. Saif Khalil Ibrahim

Authentication of the Dean



### 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 the skills and sciences of veterinary medicine, raising and improving animals , and the genetic aspect and its .developments

### 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. the level of knowledge of the student in the field of veterinary medicine and preparing him scientifically to be knowledgeable With the outputs of genetics vocabulary through identifying genetic structures and variations, alleles, naturalization, selection, mutations, migration, etc., and enhancing his ability to manage fields and herds of different animals, as well as paying .attention to successful management methods
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 experiments of inheritance  
 . and selection

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

Laboratories, animal field, library and Internet, veterinary hospital, veterinary  
 .projects, journals and research

6. Program structure

* comments	percentage	Study unit	Number of courses	Program structure
Basic course		2	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
theore tical	Genetics	V.E H2106	/2024-2023 second

8. Expected learning outcomes of the programme

Knowledge
1- .Cognitive goals 2- Identify genetic structures and variations, alleles, naturalization, selection, .mutations, migration, etc 3- Enabling students to know and understand genetics and methods of .animal husbandry and management
Skills
1- Providing the student with skills in how to deal with different types of .animals 2- Providing the student with skills in how to use field and laboratory .equipment and tools 3- Providing the student with the appropriate skills to select breeds with .high production efficiency for animals
Value
There is a committee formed in the college that is responsible for evaluating the application of the protocol for dealing with animals and the extent of researchers' commitment to the paragraphs of the protocol. Accordingly, the committee is responsible for following up on the researchers' commitment to its listed paragraphs and inspecting animal facilities in order to ensure compliance with Animal .the selection of breeds with high production efficiency regulations and care and use, noting that Iraq is a member of theOIE .

9. Teaching and learning strategies
1- Identify genetic structures and variations, alleles, naturalization, selection, .mutations, migration, and others 2- Identify the most important signs of health and indications of the occurrence .of diseases and accompanying symptoms 3- Familiarity with the nutritional needs of each animal and each physiological .stage

10. Evaluation methods
1- .Daily, monthly and final exams 2- .Reports

3- Student activities by keeping laboratory animals and participating in .conducting experiments on them

11. education institution						
Faculty members						
Preparing the teaching staff		Special requirements/skills (if any)		Specialization		Scientific rank
lecturer	angel			private	general	
	angel				animal production	

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- )2014 2006, Spencer& Cummings, Clug 1 .-Genetics Concepts	
2- .External source books	
3- Strachan & Reed (2004).Molecular Human Genetics.	
4- .Specialized scientific websites	



14. Program development plan

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

But no Less than

Program skills chart												
Learning outcomes required from the programme												
Value	Skills				Knowledge				Essential or optional	Course Name	Course Code	Year/level
	C1	C2	C3	C4	B1	B2	B3	B4				
C4												2023-2024
		⊗			⊗				Basic	Genetics	V.E GEN126	
												The first
												the second

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

Course description form

1. : Course Name	
Genetics	
2. : Course Code	
V.E GEN126	
3. : Semester / Year	
quarterly	
4. Date this description was prepared:	
5/9/2023 __ __	
5. Available forms of attendance:	
My presence only	
6. :Number of study hours (total)/number of units (total)	
. hours annually 0 3	
. An hour a week 2	
7. Name of the course administrator (if more than one name is mentioned)	
.M.D. Osama Hamid Shehab <a href="mailto:Osamahameed61@tu.edu.iq">Osamahameed61@tu.edu.iq</a>	
8. Course objectives	
Identify genetic structures and variations, alleles, naturalization, selection, – .mutations, migration, etc .Teaching the student laboratory skills on how to deal with animals – Teaching the student how to use laboratory equipment and tools used to control – and control animals	
9. Teaching and learning strategies	
-1 .Education strategy, collaborative concept planning -2 .Brainstorming education strategy 3 Education Strategy Notes Series -	The strategy

**10- Courses level: Second year**  
**Course Name: Theoretical Genetic/ 2 hours**  
**Semester: first**

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	Development of Genetics and its theories. 3	Learn about the development of genetics	3 theoretical hours	1
Daily exam questions and discussion	+ Lecture data show	Cell and chromosome 3	Cell behavior and chromosomes	3 theoretical hours	2
Daily exam questions and discussion	+ Lecture data show	Mundelein Laws and its amendments 3	Mendel's laws and their modifications	1 theoretical hour	3
Daily exam questions and discussion	+ Lecture data show	Genetics and statistics in the analysis of genealogy 3	Genetics, statistics and their role in genealogical analysis	3 theoretical hours	4
Daily exam questions and discussion	+ Lecture data show	The interaction between genes 3	Overlapping between genes	3 theoretical hours	5
Daily exam questions and discussion	+ Lecture data show	Multiple alleles and 3	Polyalleles and allelic errors	3 theoretical hours	8-6
Daily exam questions and discussion	+ Lecture data show	Assigned sex and genetics associated with it 3	Determining sex and its connection to heredity	3 theoretical hours	10-9
Daily exam questions and discussion	+ Lecture data show	Link, transit and genetic maps 3	Linkage, crossing, and genetic maps	3 theoretical hours	13-11
Daily exam questions and discussion	+ Lecture data show	Chromosomal mutations 2	Chromosomal mutations	hours 2 theoretical	14
Daily exam questions and discussion	+ Lecture data show	Chemical basis and engineering of heredity 2	Chemical bases and genetic engineering	hours 2 theoretical	15
Examine					



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20 – 2 - 2024