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علم الرياضيات

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

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.

Academic Program Description Form

University Name: Tikrit.....
Faculty/Institute: ...Veterinary Medicine.....
Scientific Department: ..Microbiology.....
Academic or Professional Program Name: ..Parasitology.....
Final Certificate Name: .....
Academic System: …Bachelor in Veterinary Medicine and Surgery……
Description Preparation Date: 5/10/2023
File Completion Date: 20/2/2024

Signature:
Head of Department Name:
Assisst.Prof. Dr. Sanaa Saued Ahmed
Date: 20\2\2024

Signature:
Scientific Associate Name:
Assisst. Proff.Dakheel Hussein Hadri
Date: 20\2\2024

جامعة تكريت
كلية الطب البيطري
شعبة ضمان الجودة والاداء الجامعي

The file is checked by:
Department of Quality Assurance and University Performance
Director of the Quality Assurance and University Performance Department:
Date: 20-2-2024
Signature:

م.م سيف خليل ابراهيم

Approval of the Dean

جامعة تكريت / كلية الطب البيطري
أ.د. بشار صادق نومي
عميد الكلية

1. **Program Vision**
The College of Veterinary Medicine seeks to be one of the leading higher education institutions at Tikrit University 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 the community in the fields of education.

2. **Program Mission**
Working to prepare and graduate leading scientific and leadership competencies in veterinary medicine 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 Objectives**
1- Knowledge and understanding of veterinary medicine and related local, regional and international standards 2- Scientific skills that enable diagnosing veterinary diseases and dealing with various pathological conditions in animals and treating them 3- Thinking and analytical skills that enable solving emerging problems in the field of livestock, common diseases and basic sciences, in accordance with local, regional and international standards. 4- Use and self-development skills that enable competition with others in the labor market..

4. **Program Accreditation**
Theoretical and practical study

5. **Other external influences**
Laboratories, animal field, library, Internet, and veterinary projects

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	90	90		Basic course
College Requirements	Yes			
Department Requirements	Yes			
Summer Training	Yes			
Other				

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
2023-2024/ The first		Biology	theoretical	practical

8. Expected learning outcomes of the program

Knowledge	
1- Enabling students to obtain knowledge and understanding of the intellectual and skills framework of veterinary science 2- Enabling students to obtain knowledge and understanding of the ethics of the veterinary profession 3- Enabling students to obtain knowledge and understanding of veterinary anatomy, histology and embryos 4: Enabling students to obtain knowledge and understanding of diseases common to humans and animals 5: Enable students to obtain knowledge and understanding of veterinary obstetrics and fertility 6: Enabling students to obtain knowledge and understanding of basic veterinary sciences 7: Enabling students to obtain knowledge and understanding of internal medicine	
Skills	
• To learn how to use a microscope in the laboratory	

• To distinguish between protozoa through their shape and locations, and to identify which ones are pathogenic and which are not	
Ethics	
Learning Outcomes 4	Learning Outcomes Statement 4
Learning Outcomes 5	Learning Outcomes Statement 5

9. Teaching and Learning Strategies

1-lecture
2- Discussion
3- Holding discussion circles
4- Holding training courses in the field of applications and practicality
5- Providing students with the basics and additional topics related to the previous learning outcomes of skills, to solve practical problems.
6- Applying the topics studied theoretically at the practical level in various branches of veterinary medicine.
7 - Visiting practical laboratories by academic staff

10. Evaluation methods

1. Daily, monthly, and practical tests and the end-of-course exam to measure knowledge, understanding, and reasoning on the student's level of ability and understanding of the course vocabulary.
2. Scientific discussion sessions to measure the student's ability to present information and choose the appropriate answer
3. Preparing students for scientific reports by choosing topics of importance.

11.Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Assistant Professor Doctor	biology	Microbiology			*	
assistant teacher	biology	Microbiology			*	

Professional Development
Mentoring new faculty members
Orienting new faculty members Conducting seminars, training courses and workshops to provide them with skills and experience
Professional development of faculty members

12.**Acceptance Criterion**

13.**The most important sources of information about the program**
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14.Program Development Plan
1- Adding new information to the course and updating old information. 2. Updating teaching methods and following up on new developments in the educational process 3. Following up on the most important modern detection methods in diagnosing protozoa

Program Skills Outline														
				Required program Learning outcomes										
Year/Level	Course Code	Course Name	Basic or optional	Knowledge				Skills				Ethics			
				A1	A2	A3	A4	B1	B2	B3	B4	C1	C2	C3	C4
2023/2024		biology	Basic		*				*				*		

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

Course Description Form

1. Course Name: biology
2. Course Code:
3. Semester / Year:
Courses
4. Description Preparation Date:
: 20/ 02/ 2024
5. Available Attendance Forms:
My presence only
6. Number of Credit Hours (Total) / Number of Units (Total)
90 hours per year / 3 hours per week
7. Course administrator's name (mention all, if more than one name)
Name: A.P.Dr.snaa sauod ahmad assistant teacher.Hanen omar Email:
8. Course Objectives

Course Objectives • This course aims to give the student a complete idea of the basic structure of archa and learn about their methods of reproducti • Providing the student with practical and theoretical information on the families of archaea and how to detect them • Knowing the pathogenic species and h they are transmitted	• ..... • .....

9. Teaching and Learning Strategies	
Strategy	1-Giving lectures by explaining and clarifying. 2- Using technological educational means as teaching aids, educational films, and blended learning via the Class Room electronic platform. 3- Self-learning method by supporting a learner-centered learning environment. 4- Urging students to use the library as a learning method 5- Developing students' ability on the subject of cell science, archaea, their dangers, and methods of transmission Between humans and animals and how to reduce them throu vaccines

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	3	Microscope installationand types	Microscope	Lectureand explanation	Questions, discussion a daily exam
2	3	Thecell prokaryoticand eukaryotic	The cell		
3	3	Components of animal cell			
4	3	Amoeba and Paramecium			
5	3	Euglena			
6	3	Liver worm			
7	3	Schistosoma			
8	3	Nematodes			
9	3	Flatworms			
10	3	Roundworms			
11	3	Cow tapeworm			

12	3	Pig tapeworm			
13	3	Chordates			
14	3	Insects			
15	3	Arthropods			

11.Course Evaluation	
Grade distribution: 15 marks for the first and second semester according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly and written exams, reports... etc., and 20 marks for the final exam.	
12.Learning and Teaching Resources	
Required textbooks (curricular books, if any)	Veterinary Microbiology
Main references (sources)	Jawetz, Melnick, Adelbergs Medi Microbiology,10th edition
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	Journal of Microbiology