Ministry of Higher Education and Scientific Research Scientific Supervision and Scientific Evaluation Apparatus Directorate of Quality Assurance and Academic Accreditation Accreditation Department



حامعة تكريت كلية الطب البيطر ضمان الجودة والاداء الجامعي

Academic Program and Course Description Guide

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.

<u>Teaching and learning strategies</u>: 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 extracurricular 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: Pathology and Poultry diseases Academic or Professional Program Name: Fish diseases Final Certificate Name: Bachelor of Veterinary Medicine and Surgery Academic System: Courses Description Preparation Date: 5/10/2023 File Completion Date: 21/ 2/2024

Signature Hee

Head of Department Name: A.P.D. Hassan Hadi Khorsheed

Date: 20/2/2024.

Signature:

Signature: Scientific Associate Name: A.P.Dakheel Hussein Hadree

Date: 20 (2/2024

حامعة تكريت كلية الطب البيطري ه ضمان الجوده والاداء الحامي

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

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Date: 20-2-2024

Signature:

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1. Program Vision

The College of Veterinary Medicine/Tikrit University seeks to be one of the leading higher education institutions at Tikrit University in the field of higher education and scientific research through its scientific, academic, research and administrative activities. It also works to provide an integrated path for its students and professors so that they can be creative and effective in serving the community and the labor market in the field of Fish and their diseases and ways to prevent these diseases.

2. Program Mission

Working to prepare and graduate leading scientific and leadership competencies in the field of fish diseases and health, as well as developing the knowledge and information stock of students in a way that reflects positively on the labor market and providing the best service to society by providing valuable scientific knowledge and information in a way that refines students' awareness and increases their skills in the field of fish management, health and diseases.

3. Program Objectives

1- Graduating veterinarians capable of performing their work in the field of community service with high efficiency.

2- Examination and treatment of various field animals, poultry, and fish ponds, under supervision and treatment.

3- Preventing infectious and non-communicable diseases through media campaigns to educate those concerned and interested in this sector of work, in addition to carrying out vaccination campaigns against diseases.

4- Providing consultations in the field of care and nutrition of animals, poultry and

fish.

5- Using modern equipment in laboratories to raise performance efficiency in order to advance scientific and applied research in the service of society.

6- Obtaining a safe food product of healthy animal origin and free of diseases.

8. Spreading environmental and cultural awareness of the importance of veterinary medicine in serving society and developing the environment in the field of veterinary medicine.

4. Program Accreditation

National institutional accreditation standards for higher education institutions in Iraq

5. Other external influences

Iraqi universities, Ministry of Agriculture, General Veterinary Authority

6. Program Structure

Program Structure	Number of	Credit hours	Percentage	Reviews*
	Courses			
Institution	30			Basic course
Requirements				
College Requirements	yes			
Department	yes			
Requirements				
Summer Training	Not found			
Other	Not found			

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

7. Program	n Description		
Year/Level	Course Code	Course Name	Credit Hours

5^{th}	/2023-2024	VED5110

practical

8. Expected learning outcomes of the program

Knowledge

1- Enabling students to obtain knowledge and understanding of the intellectual and skills framework

for fish diseases

2- Enabling students to obtain knowledge and understanding of the anatomy and tissues and the

changes that occur when they are infected with fish diseases.

3- Increasing the knowledge and skills of graduate students in how to deal, diagnose and treat

diseases that affect fish

Skills

- 1--Differentiating between healthy and sick fish
- 2- Increasing students' awareness of pathological changes after contracting the disease
- 3- Increasing the ability to identify affected organs histologically
- 4- Increasing the student's knowledge of methods of dissecting animals, poultry and fish for the purpose of diagnosing disease

Ethics

- Identify diseases in detail
- 2- Knowing the most important symptoms and signs to make predictions and questions to reach an accurate diagnosis of the disease
- 3- Increasing the student's ability to link events to reach an accurate diagnosis
- 4- Expanding the student's mind in the field of general and special pathology, poultry and fish diseases, and pathological anatomy after death.

9. Teaching and Learning Strategies

Providing students with the basics and additional topics related to the previous

learning outcomes of fish diseases

- Applying the topics studied theoretically in the practical aspect within the

specialty of fish diseases

- Visiting practical laboratories by academic staff.

10. Evaluation methods

Daily and monthly exams.

-Semester and final exams.

Participation marks for competition questions for academic subjects.

Academic Rank	Specialization		Number of t	he teaching staff
	General	Special	Staff	Lecturer
Lecturer	Veterinary Medicine and surgery	Fish diseases	Staff	

Professional Development

Mentoring new faculty members

Professional development of faculty members

Teaching development of students' abilities in research and investigation through field visits to animal fields, fish ponds, and projects related to veterinary medicine, encouraging weekly visits to the library, and reviewing sources, books, and magazines as a source of information.

11. Acceptance Criterion

Central/according to the requirements of the Ministry of Higher Scientific Education

12. The most important sources of information about the program

.General pathology

-Diseases of Carp. June et al 2012, 13 edition

-Fish Disease: Diagnosis and Treatment, Second Edition Author(s): Edward J.

Noga M.S., D.V.M.,2010.

-Fish Diseases and Diagnosis, S.D. Peter, 2009

13. Program Development Plan

The plan to develop the program includes relying on modern sources related to fish

diseases, knowledge of the latest scientific findings in this field, and the use of modern technologies and methods in diagnosis and treatment of disease cases, in addition to conducting scientific research and studies that will enhance the students' cognitive values and their constant orientation to the necessity of linking what they obtain. From theoretical knowledge to the practical side

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			Proć	gram	Program Skills Outline	Outlin	e								
							Requ	ired p	rogra	am Le	arnin	Required program Learning outcomes	mes		
Year/Le vel	Course Code	Course Name	Basic or	Kno	Knowledge			Skills				Ethics			
			optional	A1	A2	A3	A4	B1	B 2	B3	B4	C1	C2	C3	C4
3rd level	VED3120	Pathology 1	Basic	>	7	1	>	1	1	~	7	1	~	7	7
	VED3110	Pathology 11	Basic	>	7	7	>	1	1	1	1	7	7	7	>
4th level	VED4114	Poultry Diseases I	Basic	>	1	1	>	1	1	1	1	~	7	7	7
	VED4124	Poultry Diseases II	Basic	>	7	7	>	1	1	7	1	1	7	7	>
	VED4111	Pathological anatomy I	Basic	7	~	7	>	1	>	7	1	7	7	7	>
	VED4121	Pathological anatomy II	Basic	>	~	7	>	1	1	7	1	7	7	7	7
Fifth	VED5110	Fish diseases l	Basic	>	>	7	>	1	1	>	1	1	7	~	7
level	VED5122	Forensic medicine II	Basic	>	7	7	>	1	1	>	1	1	7	1	7
	VED5119	Professional conduct II	Basic	7		7	>	1	1	>	7	1	~	1	7

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

Course Description Form

1. Course Name: Fish diseases 2. Course Code: VED5110 3. Semester / Year: Semester 4. Description Preparation Date: 21/ 02/ 2024 5. Available Attendance Forms: Attendance only 6. Number of Credit Hours (Total) / Number of Units (Total) 60 hours annually. 4 hours per week / 3 units 7. Course administrator's name (mention all, if more than one name) Name: Lect. Qusai Saleh Jumma Email: qusaisaleh@tu.edu.iq 8. Course Objectives 1. Identify the concept of fish pathology 2. The animal's condition after signs of illness appear 3. Disease developments and disease course 4. Changes that occur in the animal after the disease appears 5. The students achieved knowledge of the histological changes and clinical signs and them to the general changes in the medical condition. 6. Identify the most important diseases that affect animals, poultry, and fish, happens after death. 9. Teaching and Learning Strategies Strategy 1- Direct education strategy. 2- Brainstorming education strategy. 3- Interactive and active education strategy. 4- Self-education 4- Self-education		
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10. Course Structure

emester	lame :Theoretical	1 1511 (1150(1305) 7 2	liours		the state of the state of the state of the
Week	Hours	ILOs	Unit/Module orTopic Title	TeachingMethod	AssessmentMethod
1	Two theoretical	Introduction to aquaculture	Introduction to Aquaculture	Lecture and explanation	Questions and discussio daily exam
2	Two theoretical	Knowing the diseases caused by changes in the fish environment	Environmental diseases	Lecture and explanation	Questions and discussio daily exam
	Two theoretical	Identify		Lecture and	Questions and discussio
3		diseases resulting from poisoning	Toxic diseases	explanation	daily exam
4	Two theoretical	Identify nutritional deficiency diseases	Nutritional diseases	Lecture and explanation	Questions and discussio daily exam
5	Two theoretical	Knowledge of bacterial diseases	Bacterial diseases	Lecture and explanation	Questions and discussio daily exam
6	Two theoretical	Knowledge of bacterial diseases	Bacterial diseases	Lecture and explanation	Questions and discussio daily exam
7	Two theoretical	Knowledge of bacterial viruses	Viral diseases	Lecture and explanation	Questions and discussio daily exam
8		bacterial viruses	Viral diseases	Lecture and explanation	Questions and discussio daily exam
9	Two theoretical	diseases	Mycotic diseases	Lecture and explanation	Questions and discussio daily exam
10	Two theoretical	diseases	Mycotic diseases	Lecture and explanation	Questions and discussio daily exam
11	Two theoretical	Identify protozoan parasitic diseases	Protozoal diseases	Lecture and explanation	Questions and discussio daily exam
12	Two theoretical	Identify protozoan parasitic diseases	Protozoal diseases	Lecture and explanation	Questions and discussio daily exam
13	Two theoretical	Identify parasitic diseases	Parasitic diseases	Lecture and explanation	Questions and discussio daily exam
14	Two theoretical	Identify parasitic diseases	Parasitic diseases	Lecture and explanation	Questions and discussio daily exam
15	Two theoretical	Identify diseases caused by crustaceans	Creasteal diseases	Lecture and explanation	Questions and discussio daily exam
			Examine		a na ana ana ana ana ana ana ana ana an
	se Structure:- Five lame :Practical Fis : First		ours		
Week	Hours	ILOs	Unit/Module orTopic Title	TeachingMethod	AssessmentMethod

1	Two theoretical	types of fish ponds	Fish ponds	Lecture and explanation	Questions and discussio daily exam
2	Two theoretical	Knowing the physical properties of pond water	Physiological water Properties	Lecture and explanation	Questions and discussio daily exam
3	Two theoretical	the chemical properties of pond water	Chemical water properties	Lecture and explanation	Questions and discussio daily exam
4	Two theoretical	Knowledge of the chemical properties of pond water	Chemical water properties	Lecture and explanation	Questions and discussio daily exam
5	Two theoretical		Fish narcosis	Lecture and explanation	Questions and discussion daily exam
6	Two theoretical	Know how to anesthetize fish	Fish anatomy	Lecture and explanation	Questions and discussio daily exam
7	Two theoretical		Fish sampling	Lecture and explanation	Questions and discussion daily exam
8	Two theoretical	fish anatomy	Health condition	Lecture and explanation	Questions and discussion daily exam
9	Two theoretical	Fish sampling	Diagnosis methods	Lecture and explanation	Questions and discussi- daily exam
10	Two theoretical	Identify the most important health conditions that must be provided in fish ponds	Bacterial examination	Lecture and explanation	Questions and discussio daily exam
	Two theoretical	And and the set of a set of the s		Lecture and explanation	Questions and discussion daily exam
11		health conditions that must be provided in fish ponds	Bacterial examination		
12	Two theoretical	diagnosing fungal diseases	Parasitic Examination	Lecture and explanation	Questions and discussi daily exam
13	Two theoretical	bacterial tests	Clinical therapeutics	Lecture and explanation	Questions and discussi daily exam
14	Two theoretical	bacterial tests	Fish comparative diagnosis	Lecture and explanation	Questions and discussi daily exam
15	Two theoretical	Conduct parasitologica l tests	Fish narcosis	Lecture and explanation	Questions and discussi daily exam
			Examine		

11. Course Evaluation

The distribution is as follows: 25 marks for the theoretical and practical monthly exams, 15. The score for the final theoretical exam is 40, and the score for the final practical exam is 20.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	-Fish Disease: Diagnosis Treatment, Second Edition / u Edward J. Noga M.S., D.V.M.,201
Main references (sources)	-Fish Diseases and Diagnosis, S.D. Let 2009
Recommended books and references (scientific journals,	
reports)	
Electronic References, Websites	