

**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: Al- Kut University College

Faculty/Institute:

Scientific Department: .. Medical laboratory techniques

Academic or Professional Program Name:

Final Certificate Name: PhD in Microbiology

Academic System:

Description Preparation Date:20-1-2024

File Completion Date: 20-1-2024

Signature:

Head of Department Name:

Date:

Signature:

Scientific Associate Name:

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date:

Signature:

1. Program Vision

An ambitious picture for the future of the academic program, to be an advanced, inspiring, motivating, realistic and applicable programme.

2. Program Mission

It briefly explains the objectives and activities necessary to achieve them, and also identifies the program's development paths and directions.

3. Program Objectives

- 1- Preparing graduates with theoretical and scientific skills to meet the needs of the health and medical reality and health institutions
- 2- Graduates acquire the necessary scientific skills and health and medical methods in the field of microbiology
- 3- Preparing graduates to participate effectively in building the health reality of society

4. Program Accreditation

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.

5. Other external influences

Quality assurance program for the Ministry of Higher Education and Scientific Research

6. Program Structure

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

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			theoretical	practical
2023-2024	ML21	Medical microbiology	2	4

8. Expected learning outcomes of the program

Knowledge	
Learning Outcomes 1	Learning outcomes 1 1- The ability to apply knowledge in studying pathogenic microbes and how to classify them 2- The ability to define microbial diseases and ways to control them
Skills	
Learning Outcomes 2	Learning outcomes 2 1- The ability to understand the nature of pathogenic microbes that infect various body systems.

	2- – The ability to understand the injury Pathogenesis, its symptoms, how to control each disease, and studying the body’s resistance to the studied diseases caused by microbes
Learning Outcomes 3	Learning outcomes 3 1- The ability to think about the disease and methods of diagnosing the microbes that cause it. 2 – Developing the student’s ability to deal with information as a solution method
Ethics	
Learning Outcomes 4	Learning outcomes 4 -1 The ability to work within a team that includes all medical and health specialties 2-The ability to develop oneself and field work.
Learning Outcomes 5	A compatible 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.

9. Teaching and Learning Strategies

Teaching and learning strategies and methods adopted in the implementation of the program in general.

10. Evaluation methods

- Participation in the classroom.
- Providing various activities.
- Not less than four semester written exams during the academic year, in addition to the theoretical and practical final exam.
- – Assignments and reports to solve questions in the form of classroom activities.

11. Faculty

Faculty Members: Luma Hikmat AL– Bayati

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
Assistant Professor Doctor	Veterinary medicine	microbiology			✓	

Professional Development

Mentoring new faculty members

Developing the vocabulary of microbiology, especially its practical aspects

Professional development of faculty members

Developing the vocabulary of microbiology, especially its practical aspects, and arrangements for academic and professional development for faculty members, such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

12. Acceptance Criterion

Central admission to the Ministry of Higher Education and Scientific Research

13. The most important sources of information about the program

Student guide for central admission prepared by the Ministry of Higher Education and Scientific Research

14. Program Development Plan

1– Websites of Iraqi and foreign universities

2- Workshops held by the Ministry of Higher Education in addition to the Ministry's standards

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	ML21	Medical microbiology	basic	✓	✓			✓				✓			

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

Course Description Form

1. Course Name: Medical microbiology	
2. Course Code: ML21	
3. Semester / Year: year	
4. Description Preparation Date: 20-1-2024	
5. Available Attendance Forms:	
6. Number of Credit Hours : 6 hours (2 hours theoretical and 4 hours practical)	
7. Course administrator's name (mention all, if more than one name)	
Name: Luma Hikmat Al- Bayati Email: lumahikmat@uowasit.edu.iq	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> - Preparing graduates with theoretical and scientific skills to meet the needs of the health and medical reality and health institutions - Graduates acquire the necessary scientific skills and health methods - And medical sciences in the field of microbiology - Preparing graduates to participate effectively in building health reality of society
9. Teaching and Learning Strategies	
Strategy	<ol style="list-style-type: none"> 1. Cognitive objectives. 2. Knowledge of approved medical terminology 3. Knowledge of scientific research methods 4. Know the basics and axioms in medical microbiology

- 5. The ability to understand the scientific foundations microbiology
- 6. Acquire skill in treating and diagnosing bacterial diseases

10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
	6 hours	Teaching basics Microbiology and diagnostic skills To diagnose diseases Bacterial	Medical microbiology		Semester and final exams, in addition to quizzes and seminars

11. Course Evaluation

Distribution of the grade out of 100 according to the tasks assigned to the student, such as daily preparation, daily, oral, monthly, written exams, reports, etc.

12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	Medical Microbiology Book (Jawetz)
Main references (sources)	1. Brooks, G. F., Jawetz, E., Melnick, J. L., & Adelberg, E. A. (2010). Jawetz, Melnick, & Adelberg's medical microbiology. New York: McGraw Hill Medical. 2. Murray, P. R., Rosenthal, K. S., & Pfaller, M. A. (2013). Medical microbiology. Philadelphia:

	Elsevier/Saunders.
Recommended books and references (scientific journals, reports...)	All modern medical microbiology books
Electronic References, Websites	Google Scholar