

Ministry of Higher Education and Scientific Research
Supervisory and Scientific Evaluation Authority
Department of Quality Assurance and Academic Accreditation

Academic program description form for colleges and institutes

University: University of Thi-Qar

College: College of Medicine

Department: Microbiology

Date: 25/7/2022

Signature

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Assessed by

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Academic Program Description

The description of the academic program of the Microbiology Branch at the College of Medicine includes mentioning the most important features and characteristics. This program is followed in teaching for first and third stage students according to the study subject, as well as including an explanation

The learning outcomes that the student is expected to enjoy and achieve, relying on the available evidence that proves the student has benefited from all opportunities available to him to acquire skills and scientific information that enable him to apply them in his professional life. It also includes an accurate description of each course within the academic program.

1. Educational institution	University of Thi-Qar
2. Department	Microbiology
3. Name of certificate	Bachelor degree in general medicine and surgery (MBChB)
4. Name of academic program	Microbiology
5. School system Annual/ Courses/ Other	Annual
6. Accredited Accreditation Program	Academic accreditation program and accreditation of national colleges of medicine
7. Other external influences	1- Standards of the government ministerial program 2- The society's need for medical staff and outcomes of modern medical education
8. Date of preparation of the program description	1/9/2018
9. Aims of the academic program	<p>A. Providing the students with detailed scientific information for all types of medical microbiology and their important role in causing human diseases such as bacterial, viral, parasitic and fungal diseases.</p> <p>B. Directing the students to the main diagnostic methods used for laboratory and clinical examination that enables them to accurately diagnose diseases as quickly as possible.</p> <p>C. Alert students to the right scientific methods to identify and evaluate the results generated by laboratory tests and used diagnostic methods.</p> <p>D. Increasing the scientific knowledge of students to enable them to be able to make a differential diagnosis between similar diseases and how to differentiate them laboratory and clinically.</p>
10. Required program outputs and methods of teaching, learning and	

assessment: It includes a number of expected and hoped-for outputs from the graduating students, these are:

A. Cognitive objectives: They include a set of objectives related to what student understands and acquires of basic scientific knowledge and information, including:

1. Knowing all the scientific knowledge of all pathogens with the aforementioned medical microorganisms and publish this information on general level of graduates.
2. Students' ability to identify and specify the diagnostic methods required and important for diagnosing pathogens based on solid scientific foundations.
3. Students acquire all practical skills for diagnosis and their ability to relate specific findings with the cases dealing with.
4. Increasing the students' ability and their practically acquired diagnostic knowledge and consolidating it to serve doctor's professional practice and the patient's needs with accurate diagnosis and treatment.
5. Increasing the efficiency of students to focus on the type of available and efficient diagnostic tests to save time and effort.

B. Objectives for the specific skills of the program

A- Students' ability, scientific skills and ability to accurately diagnose different pathogens.

b- Knowing the quality of various laboratory equipment and the techniques used in the laboratory work

C- Students' ability to do various experiments that serve the educational process and practical competence for students that serve their medical knowledge.

Methods used in teaching and learning: It includes all the methods that are used to provide knowledge

Scientific and skills for students, including:

The method of traditional lectures in which students are provided with ready-made scientific information to enable them to follow the general lines of theoretical lectures.

2- Interactive lectures that give students the important role in searching for scientific information and discussed theoretically.

3- The method of practical lectures that divides students into groups that participate in writing topics, Research papers on some pathogens and discussed in panel discussions under the supervision of teachers and faculty in the department.

Methods used in evaluating students:

1- Short exams that take place after each lecture or group of theoretical lectures studied during first and second semesters.

2- Tests and exams to assess students' performance in the practical laboratory aspect during first and second semesters.

3- tests conducted electronically through Google Classroom to test the information that students acquire, which in turn helps them solve scientific problems.

4- Traditional mid-year and final exams, both theoretical and practical.

Moral, subjected and professional goals

1- Guiding and instructing students in general about the need for commitment and dedication in acquiring knowledge and medical skills that enables them to achieve their position in the medical field to serve the community.

2- The necessity of adhering to the spiritual values and lofty ideals that our true religion and traditions enjoin and implements of helping patients and devotion to their service.

3- Encouraging the development of the spirit of individual and cooperation for the graduate students, as they are future doctors enhancing their skill and professional.

D- General skills and occupational and professional qualifications for

students:

1- Training and accommodating students to use and evaluate the available laboratory information linking them to the type of clinical cases in order to accurately diagnose them.

2- Developing the students' ability to accurately and professionally examine clinical samples and training them on the ways to diagnose using different technical methods.

3- Urging students to acquire the skills that qualify them to develop their professional skills and ability and processing and diagnose different pathogens.

11. Program Structure: The academic program includes several specifications according to the scientific subject and the class, as shown in the following table:

CLASS	Course Code	Course name	Credited hours	
			Theory	Practical
I st class	Mic-MedMic-1	Medical biology	60	60
3 rd	Mic-MedMic-3	Microbiology	90	60
3 rd	Mic-MedPar-3		60	60

Admission criterion (setting regulations and laws related to how to enroll in medical colleges in Iraq)

1- Central admission: based on the average and competition with the rest of the students and according to the required number of students in each college, according to the central admission plan.