

**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: Diyala

Faculty/Institute: College of Medicine

Scientific Department: f Medicine

Academic or Professional Program Name: Human Medicine

Final Certificate Name: Bachelor of Medicine and General Surgery

Academic System: Courses (first course + second course)

Description Preparation

Date:2023\2024

File Completion Date:4\2\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:

Approval of the Dean

1. Program Vision

After graduation, our students will be able to work in a multidisciplinary team in the health sector to ensure optimal team performance and effective patient outcomes.

2. Program Mission

Our college seeks to obtain international accreditation, rise to the global level in terms of quality of outputs, and graduate highly qualified doctors in patient care, medical education research, and community service.

3. Program Objectives

1-Achieving quality standards and medical accreditation according to IGL standards derived on the basis of scientific institutional quality standards.

2-- Graduating doctors with a bachelor's degree in medicine and general surgery, who are well prepared to conduct a patient examination, diagnose the disease, provide treatment on scientific and medical grounds, and advanced clinical and professional skills, and practice their work in an ethical manner and with correct medical behavior to provide excellent health services and enable them to learn for life.

3 - After graduation, our students will be able to work in a multidisciplinary team in the health sector to ensure optimal team performance and effective patient outcomes.

4 - Preparing doctors who are able to interact in the workplace and solve urgent problems in response to the needs of the health care system/society and changing circumstances that make them able to work in Iraq and internationally, as well as pursue postgraduate studies and training in any branch of medicine.

5- Graduating doctors with high skills and knowledge in conducting scientific research in the basic, clinical, behavioral and biomedical fields.

6 - Encouraging faculty members, staff and students to enhance their technical skills and take advantage of information and communications technology in transferring knowledge, producing scientific research, and creating curricula for educational programs.

7- Implementing a development program for faculty and staff.

4. Program Accreditation

Theoretical and practical study and discussions of blended learning, attendance and electronic (via the Classroom platform).

5. Other external influences

A teaching hospital, library, internet, community, doctors' syndicate

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Enterprise requirements	۱۱	۴۳	%۱۰۰	
College requirements	۱۱	۴۳	%۱۰۰	
Department requirements	۱۱	۴۳	%۱۰۰	
summer training				
Others	\	\	\	

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
Third level	MED315	Medicine 1	60 theoretical hours	60 practical hours
Fourth level	MED400 MED401	Medicine	120 theoretical hours	60 practical hours
Fifth level	NUM525	Neuro medicine	75 theoretical hours	90 practical hours
	PSY513	Psychiatry	30 theoretical hours	30 practical hours
	DER517	Dermatology	30 theoretical hours	60 practical hours
Sixth level	MED600	Internal medicine	\	300 practical hours

8. Expected learning outcomes of the program
Knowledge
1 -Studying various internal diseases, especially common ones or emergency cases that may face the doctor. 2 -Identify emergency internal cases and ways to treat them. 3 -Understanding the interactions between internal diseases and diseases in other branches. 4 -Knowing ways to prevent some diseases that may pose a danger to the doctor or patients. 5 -Knowing the legal responsibilities of some diseases, especially the transmissible ones. 6- Knowing the types of alternative medicine and their uses.
Skills
1-Accurate medical history taking, especially in emergency cases. 2 - The correct methods of measuring blood pressure and other vital activities. 3- Clinical skills in examining the patient.
Ethics
1-Self-development by dealing with emergency cases of internal diseases. 2 -Recognize the professional responsibility necessary to deal with internal diseases, especially communicable diseases.

3- Estimating and evaluating the uses of alternative and traditional medicine.

9. Teaching and Learning Strategies

- 1 .Theoretical lectures using illustrations .
- 2 .Practical application of the concepts that have been studied in specialized laboratories and teaching hospitals.
- 3 .Seminars (students are assigned a topic within the curriculum for presentation and discussion).
- 4 .Solving scientific and medical problems by discussing their merits within small groups to reach the correct solution.
5. In-person and electronic blended learning via the e-learning platform (Classroom).

10. Evaluation methods

- 1-Discussion in lectures
- 2-Mid-course exams and end-of-course exams
- 3-periodic evaluation
- 4-Small Education Groups
- 5-Practical exams

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
	Ismail Ibrahim Latif	General medicine and surgery	Immunology and medical viruses			√
Adil Hassan Mohammed	General medicine and surgery	Internal Medicine			√	\
Khudair Khalaf Ibrahim	General medicine and surgery	Leather and genital			√	\
Ali Mousa Jaafar	General medicine and surgery	Internal Medicine			√	\
Ahmed Methab Athab	General medicine and surgery	Internal Medicine			√	\
Wissam Falih Hassan	General medicine and surgery	Neurological medicine			√	\
Muayad Kadhim Rashid	General medicine and surgery	Joint diseases and rehabilitation			√	\
Hanan Raheem Hassooni	Biology	Microbiology/ molecular biology			√	\

Yasser Abdullah Khamis	General medicine and surgery	Leather and genital			√	\
Enas Ammar Mohammed	Biology	Microbiology			√	\

Professional Development

Mentoring new faculty members

Guiding new faculty members through preparing courses and seminars, in addition to meetings of the college councils and branch council meetings, as well as through direct guidance, as well as through notifications on the official websites of the college and department.

Professional development of faculty members

Continuous and permanent learning through searching for new developments using the library, magazines, and the Internet, in addition to attending specialized scientific seminars and seminars, as well as active attendance in educational hospitals to hone skills.

12. Acceptance Criterion

- 1- Admission will be centrally through the Ministry of Higher Education and Scientific Research, based on the student's grades in the sixth scientific year, after preparing the relevant form electronically.
- 2- Parallel acceptance channel.

13. The most important sources of information about the program

- 1-The university and college website.
- 2- The website of the Ministry of Higher Education and Scientific Research.

3-The college library and the central library at the university.

14. Program Development Plan

Develop academic curricula annually and update them to suit the development in the treatment of internal diseases.

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
Third level	MED315	Medicine 1	Basic	√	√	√	√	√	√	√	√	√	√	√	√
Fourth level	MED400	Medicine	Basic	√	√	√	√	√	√	√	√	√	√	√	√
	MED401		Basic	√	√	√	√	√	√	√	√	√	√	√	√
	PSY513	Psychiatry	Basic		√				√				√		
	NUM525	Neuro medicine	Basic		√	√	√		√	√	√		√	√	√
	DER517	Dermatology	Basic		√				√				√		
Sixth level	MED600	Internal Medicine	Basic		√	√	√		√	√	√		√	√	√

Course Description Form

1. Course Name:	Medicine
2. Course Code:	MED315, MED400, MED401, HEM519, NUM525, PSY513, DER517, MED600.
3. Semester / Year:	First course + second course \2023-2024
4. Description Preparation Date:	2023-2024
5. Available Attendance Forms:	Actual mandatory attendance
6. Number of Credit Hours (Total) / Number of Units (Total)	<ul style="list-style-type: none"> • third level: Theoretical 60 hours, practical 60 hours • The fourth stage: Theoretical 120 hours, practical 60 hours • level five Neurology/ Theoretical 75 hours Practical 90 hours Psychological/theoretical 30 hours practical 30 hours Dermatology/ theoretical 30 hours practical 60 hours • Sixth stage Practical 300 hours
7. Course administrator's name (mention all, if more than one name)	Name: Adil Hassan Mohammed Email: adil@uodiyala.edu.iq
8. Course Objectives	<p>1-Providing the scientific framework in terms of acquiring knowledge information and understanding its importance in various pathologica cases to facilitate the process of diagnosing and treating such cases.</p> <p>2 -Practicing clinical skills by communicating with the patient, collecting information, performing a clinical examination, and developing an integrated treatment plan, starting with the differential diagnosis an ending with following up on the patient's response.</p> <p>3 -The student should be able to take a medical history and examine patients in general with examining the various body system (cardiovascular system, respiratory system, digestive system and nervous system).</p> <p>4 -Attending the emergency of the teaching hospital and identifying the sick cases therein.</p> <p>5- Develop a plan to treat sick conditions and how to conduct medical examinations.</p> <p>6 -Watching the pathological cases in the inner halls of the people of Nador, the Echo and the Unit of Psychiatry, Joints and Dermatology.</p>

7- The student should be able to search in medical journals for a diseased condition that he witnessed during the scientific training and discuss this case through seminars.

9. Teaching and Learning Strategies

Strategy	<ol style="list-style-type: none"> 1- Giving theoretical lectures. 2- In-person and electronic blended learning (via the Classroom platform). 3 - Use of computers - plasma screens - modern scientific equipment - audio-visual devices 4- Clinical rounds 5- Educational seminars, discussions and seminars. 6-Practical and clinical application in teaching hospitals.
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10. The structure of the course for medicin /third academic level / the first course

Week	Hours	Required Learning	Unit or subject name	Learning method	Evaluation
		Outcomes			method
1	Theoretical Practical 2	Introduction to clinical medicine	Introduction to internal medicine	Lecture + practical	Exam
2	Theoretical Practical 2	Introduction to clinical medicine	Introduction to internal medicine	Lecture + practical	Exam
3	Theoretical Practical 2	Introduction to clinical medicine	Introduction to internal medicine	Lecture + practical	Exam
4	Theoretical Practical 2	Pulse and temperature	Introduction to internal medicine	Lecture + practical	Exam
5	Theoretical Practical 2	Pain Headache	Introduction to internal medicine	Lecture + practical	Exam
6	Theoretical Practical 2	Pulse and temperature	Introduction to internal medicine	Lecture + practical	Exam
7	Theoretical Practical 2	Cyanosis	Introduction to internal medicine	Lecture + practical	Exam

8	Theoretical Practical 2	Temperature	Introduction to internal medicine	Lecture + practical	Exam
9	Theoretical Practical 2	Oral diseases	Introduction to internal medicine	Lecture + practical	Exam
10	Theoretical Practical 2	Dysphagia	Introduction to internal medicine	Lecture + practical	Exam
11	Theoretical Practical 2	Vomiting Hematamesis and Constipation	Introduction to internal medicine	Lecture + practical	Exam
12	Theoretical Practical 2	Diarrhea and malabsorption	Introduction to internal medicine	Lecture + practical	Exam
13	Theoretical Practical 2	Urinary symptoms	Introduction to internal medicine	Lecture + practical	Exam
14	Theoretical Practical 2	Dyspnea and cough	Introduction to internal medicine	Lecture + practical	Exam
15	Theoretical Practical 2	Palpitation	Introduction to internal medicine	Lecture + practical	Exam
The structure of the course for medicine /third academic level / the second course					
Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1	Theoretical Practical 2	Electrolyte disturbance	Introduction to internal medicine	Lecture + practical	Exam
2	Theoretical Practical 2	Obesity	Introduction to internal medicine	Lecture + practical	Exam

3	Theoretical Practical 2	Dehydration and fluid overload	Introduction to internal medicine	Lecture + practical	Exam
4	Theoretical Practical 2	Edema	Introduction to internal medicine	Lecture + practical	Exam
5	Theoretical Practical 2	Bone diseases	Introduction to internal medicine	Lecture + practical	Exam
6	Theoretical Practical 2	Vitamins	Introduction to internal medicine	Lecture + practical	Exam
7	Theoretical Practical 2	Alkalosis and Acidosis	Introduction to internal medicine	Lecture+ practical	Exam
8	Theoretical Practical 2	Weight loss	Introduction to internal medicine	Lecture + practical	Exam
9	Theoretical Practical 2	Electrolyte disturbac	Introduction to internal medicine	Lecture + practical	Exam
10	Theoretical Practical 2	Obesity	Introduction to internal medicine	Lecture + practical	Exam
11	Theoretical Practical 2	Nutritional Disorders	Introduction to internal medicine	Lecture + practical	Exam
12	Theoretical Practical 2	HLA disease	Introduction to internal medicine	Lecture + practical	Exam
13	Theoretical Practical 2	Immune deficiency State	Introduction to internal medicine	Lecture + practical	Exam
14	Theoretical Practical 2	Immunology of Cancer	Introduction to internal medicine	Lecture + practical	Exam
15	Theoretical Practical 2	Immunosuppres sive disorders	Introduction to internal medicine	Lecture + practical	Exam

The structure of the course for medicine /fourth academic level / the first course

Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Symptoms and signs of cardiovascular system (CVS) disorders Investigations of CVS	heart and blood vessels	Lecture + practical	Exam
2	4	Coronary artery disease	heart and blood vessels	Lecture + practical	Exam
3	4	Heart failure	heart and blood vessels	Lecture + practical	Exam
4	4	Arrhythmias and antiarrhythmic drugs	heart and blood vessels	Lecture + practical	Exam
5	4	Vascular diseases systemic and pulmonary hypertension	heart and blood vessels	Lecture + practical	Exam
6	4	Congenital heart diseases Pericardial heart diseases	heart and blood vessels	Lecture + practical	Exam
7	4	Viral infections	Infectious diseases	Lecture + practical	Exam
8	4	HIV/AIDS	Infectious diseases	Lecture + practical	Exam
9	4	STD infections	Infectious diseases	Lecture + practical	Exam
10	4	PUO/Septicemia	Infectious diseases	Lecture + practical	Exam

11	4	Infections by Mycoplasma, reckittsia, Spirockittes	Infectious diseases	Lecture + practical	Exam
12	4	Mycobacterial and fungal infections	Infectious diseases	Lecture + practical	Exam
13	4	Gram positive cocci and bacilli infections anaerobic gram positive infections	Infectious diseases	Lecture + practical	Exam
14	4	Infections of gram negative organisms	Infectious diseases	Lecture + practical	Exam
15	4	Symptoms and signs of cardiovascular system (CVS) disorders Investigations of CVS	Infectious diseases	Lecture + practical	Exam

The structure of the course for medicine /fourth academic level / the second course

Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1	4	Investigation of GIT	Digestive system	Lecture + practical	Exam
2	4	Disease of mouth disease of esophagus	Digestive system	Lecture + practical	Exam
3	4	Peptic ulcer	Digestive system	Lecture + practical	Exam
4	4	Gastritis and cancer of stomach	Digestive system	Lecture + practical	Exam

5	4	Malabsorption Syndrome	Digestive system	Lecture + practical	Exam
6	4	Chronic diarrhea	Digestive system	Lecture + practical	Exam
7	4	Introduction to respiratory system	Respiratory system	Lecture + practical	Exam
8	4	Investigations	Respiratory system	Lecture + practical	Exam
9	4	Pneumonias	Respiratory system	Lecture + practical	Exam
10	4	Tuberculosis	Respiratory system	Lecture + practical	Exam
1	4	Obstructive airway Disease	Respiratory system	Lecture + practical	Exam
12	4	Introduction to Endocrine	Endocrine	Lecture + practical	Exam
13	4	Pituitary diseases	Endocrine	Lecture + practical	Exam
14	4	Diabetes mellitus	Endocrine	Lecture + practical	Exam
15	4	Thyroid disease	Endocrine	Lecture + practical	Exam
The structure of the course for medicine /fifth academic level					
Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1-30	1 theory 2 practical	Neuro medicine	Neurology	Lecture + practical	Exam

1-30	1 theory 2 practical	Psychiatry	Psychiatry	Lecture + practical	Exam
1-30	1 theory 2 practical	Dermatology	Dermatology	Lecture + practical	Exam
1-10	1 theory	Rheumatology & connective tissue disease	Rheumatology & connective tissue disease	Lecture	Exam
1-10	1 theory	Nephrology	Nephrology	Lecture	Exam
1-10	1 theory	Clinical Pharmacology	Clinical Pharmacology	Lecture	Exam
1-10	1 theory	Hematology	Hematology	Lecture	Exam
The structure of the course for medicine /sixth academic level					
Week	Hours	Required learning outcomes	Unit or subject name	Learning method	Evaluation method
1-30	30 hours per week	Clinical medicine	Clinical medicine	practical	Exam
Note: The theoretical material is presented through the seminars provided by the students					

11.Cours Evaluation

- Mid- and end-of-course exams.
- Practical, oral and clinical examinations.
- Reports preparation.
- Short daily exams

12. Learning and Teaching Resources

Required textbooks (curricular book , if any)

-Davidson's principle &practice of medicine.

Main references (source).

- medicine of Textbook Harrison.
- Cecile textbook of medicine.
- Kummer &clark of medicine.
- Macleod clinical method.

Recommended book and references (scientific journals , reports).

- All internal medicine books and magazines.

Electronic References , Website .

- Medscape., e medicine.