



Ministry of Higher Education and Scientific Research
Supervision and scientific evaluation apparatus
Dept. of Quality Assurance and Academic Accreditation

Academic program description form, for colleges and institutes



University: Thi Qar
College: College of Medicine
Department: Pharmacology
Date: 24 March 2024

Signature

Chairman of Pharmacology Dept. : Dr Tayseer Ali Talab
Date

Signature

Ass. Dean for Scientific affairs: Dr Ali Abdulbaqi
Date:

The document is checked and confirmed by

Division of Quality Assurance and University Performance

The Director of the Quality Assurance and University Performance Division: Prof. Dr. Talib Hassan

Date

Signature

Dean

Description of the academic program

This academic program description provides a summary of the most important characteristics of the program and the learning outcomes that the student are achieved, and demonstrating whether the students are benefited from the available opportunities. It is accompanied by a description of each course within the program

1-Educational Institution	Thi Qar University/College of Medicine
2-Department	Pharmacology
3- The name of the academic or professional program	The academic program for the students of the college of medicine
4- The final degree	MB CH B
5- Academic system: Annual / Courses / Other Annual	Annual
6- Accreditation program approved by	Accreditation Council for Medical Colleges
7- External relations	Thi Qar Health Directorate, NGOS
8- Date	24 March 2024
9- The aims of the academic program	
Teaching undergraduate students the most important drugs , their therapeutic uses, indications, side effects, and clinical interactions	
Teaching the student the different pharmaceutical forms of drugs, and the differences between different drug forms, their pharmacodynamic and pharmacokinetic characteristics. Teaching the student how to write the correct medical prescription and other information related to the practical aspect in the drugs.	
Encourage students for electronic research and following up the latest new about the drugs and treatments by encourage students to prepare scientific reports that are presented as seminars or discussion session for each group of students and discuss the report with them. This activity considered as part of the students evaluated, the assessment is performed according to the scientific subject, the ability to discuss the topic and related subjects.	
Creating the medical awareness of drugs uses, how to administer them for each disease condition and contraindications for use , especially for drugs used for critical and emergency cases.	
Promoting scientific research plan, and developing postgraduate studies in the department in a way that contributes to solving the community's health and scientific problems.	
Carry out scientific conferences workshops and seminars to discuss the scientific developments in medicine and drugs.	
10- Required outcome of the program, learning and evaluation	
A- Knowledge objectives	
1- The student must know the drug groups for each body systems, such as the drugs used	

for diseases of the nervous system , the drugs used in the treatment of the respiratory system, the digestive system, and the urinary system, drugs of blood diseases, and so on for the rest of the body's systems, in addition anticancer, antimicrobial and antiparasitic drugs

2- Complete knowledge of the mechanism of action of the drug and the contraindications, along with knowledge of dynamic and kinetic interactions .

3- Complete knowledge of the different therapeutic forms and methods of administration of each form, along with knowledge of the different methods of administration and their effects on pharmacokinetics.

4- Complete knowledge of the clinical application of medications

5- Complete knowledge of professional behavior and medical ethics

6-Knowledge of scientific methods in conducting scientific research to solve public health problems, and deals with the latest developments in therapeutic and pharmaceutical methods.

B- Professional objectives:

1 - Acquiring knowledge of management of each medical condition.

2 - Acquiring knowledge about how to give priority in selection of the drug, according to the disease condition and its severity

3 - Enhance the student's skills in how to evaluate therapeutic interventions and calculate the benefit VS. side effects.

Methods of learning and teaching

1- Theory teaching (large groups)

2- Small groups teaching

3- Practical and experimental teaching in the pharmacology labs

Evaluation methods

1-Daily evaluation, including participation and other activities

2- Evaluation through unexpected exams during the year for theoretical and practical subjects

3- Mid-year exam for theoretical and practical subjects

4- The end of the year exam for theoretical and practical subjects

C- Moral and ethical objectives.

1-Work as team and avoid individual work

2- Listening to the patient and feeling his suffering

3- Preparing doctors with pharmacological experience to treat various medical conditions

4- Respecting psychological aspect of the patient

5- Respecting the patient's privacy and maintaining the confidentiality of his condition

Teaching and learning methods

1- Audio-visual communication

2- Powerpoint presentation

3- Small groups teaching

Evaluation methods

<p>1- Theoretical and practical exams</p> <p>2- Semi-annual and final written exam</p> <p>3- Semi-annual and final practical exam</p> <p>4- Evaluation of researches</p>				
<p>D – General and qualifying transferable skills (other skills related to employability and personal development).</p> <p>1- Developing the ability to use medications clinically according to the latest pharmacological protocols in the treatment.</p> <p>2- Developing skills in how to write the correct medical prescription, including patient’s age, medication dose, treatment course, method of administration, etc.</p> <p>3- Developing the capabilities of using the Internet to search for medical topics in the latest therapeutic developments and modern medicines, and adopting scientific sources and modern e-books in theoretical and practical lectures.</p> <p>4-Developing the skills of presenting scientific lectures through the use of modern presentation techniques.</p>				
10-Program structure				
Class	Course code	Course name	hrs	
			Theo.	Pract.

Program Skills Outline

3 rd	Pharma 3	Pharmacology	90 hrs	60 hrs
11- Planning for personal development				
<p>1- Follow the international developments and joining the training courses for teachers</p> <p>2- Providing international scientific references</p> <p>3- Looking for and follow modern methods of learning</p> <p>4- Conducting evaluation and questionnaires from beneficiaries and students</p> <p>5- Encourage teachers and students to perform scientific research</p>				
12. Admission (regulations related to admission in the college)				
Central admission (by the ministry)				
13. The most important sources of information about the program				
Accreditation and quality division				
Theoretical lectures				
Computers and the Internet				

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

Required program Learning outcomes

Year/ Level	Course code	Course name	Basic or optional	Knowledge				Skills				Ethics				General and qualifying transferable skills			
				A 1	A 2	A 3	A 4	B 1	B 2	B 3	B 4	C 1	C 2	C 3	C 4	D 1	D 2	D 3	D 4
3 rd	Pharma3	Pharmacology	Basic	X				X	X			X							

10- Course description template, Course structure					
Method of assessment	Teaching Methods	Subject	Learning outcome	hours	Week
Theoretical and practical exam	Theoretical and practical lectures	Pharmacology	physician	150 hrs	3 hrs Theory 2 hrs practical / week

11- Learning References	
1-Textbooks and References	
Main Reference	Katzung Basic and clinical pharmacology. Edition. McGraw-Hill Education.
A- Other References	1- Lippincott's Illustrated Reviews: Pharmacology. Lippincott Williams & Wilkins. 2-Katzung Basic and clinical pharmacology. Edition. McGraw-Hill Education. 3- Goodman & Gilman's pharmacological basis of therapeutics. New York: McGraw-Hill. 4- Katzung & Trevor's Pharmacology Examination & Board Review. A LANGE medical book. New York Chicago San Francisco. 5- Remington's Pharmaceutical Sciences. In: Osol A, Hoover JE, editors. 15 th ed. Easton, Pennsylvania: Mack Publishing Co.
B- Electronic references, Internet sites -A	Medscape, Website, Researchgate, Academia.edu

12- Curriculum course development plan
<p>1- Continuous development and updating of the annual curricula in line with modern pharmacological developments and in response to student, professors, national health statistical records and international records feedbacks</p> <p>2- Bringing attention to the practical aspects through the practical and clinical works performed in the scientific laboratories and teaching hospitals</p> <p>3-Enhance interest in scientific research, especially that is related to drugs and their relation with the various branches of medicine</p>