

Academic Program Description Form

University Name:Basrah.....

Faculty/Institute: ...college of medicine.....

Scientific Department:department of pharmacology.....

Academic or Professional Program Name: ...pharmacology.....

Final Certificate Name:M.BCh.B.....

Academic System:Annual ...

Description Preparation Date: 20/2/2024

File Completion Date: 24/2/2024

Signature:



Head of Department Name:

Shaymaa F Abbas

Date: 26/2/2024

Signature:



Scientific Associate Name:

Qais K Baqir

Date:

The file is checked by:

Department of Quality Assurance and University Performance

Director of the Quality Assurance and University Performance Department:

Date: 12/3/2024

Signature:



Approval of the Dean

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



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1. Program Vision

The University of Basrah-College of Medicine tries to achieve pre-eminence in the subjects of biomedical and medical sciences, particularly in those related to health problems in the south of Iraq. This will be accomplished through national, regional and international leadership in biomedical education and research activities in areas such as spine surgery, hemoglobinopathies, cancer, environmental pollution and post-traumatic stress disorders.

2. Program Mission

The University of Basrah-College of Medicine is working to prepare graduates for distinct medical practice with an emphasis on medical problems in Iraq and specially in Basrah, connecting medical practice to community needs. It is also intending to achieve distinction in medical education programs for both under- and postgraduates, and in continuous medical education in order to train doctors, medical teachers and researchers. It also lays the foundation for a scientific environment which cares for recent knowledge in health sciences, that will essentially lead to high gain in education, health care and medical research. The college also seeks to stimulate long-term self-education and to lay the basis for humanitarian and ethical values that are relevant to the work in the field of health sciences. Recruitment and development of high quality teaching staff is sought to achieve best standards in the field of teaching and research.

3. Program Objectives

Participation in the development and maintenance of health through medical education, research and different types of health services; promotive, preventive, curative and rehabilitative.

2. Graduation of doctors that have the knowledge, attitude and skills, which enable them to practice medicine safely through the implementation of humanitarian and ethical principles.

3. The development and advancement of postgraduate studies to train doctors and other medical professionals in various specialties. This requires the establishment of postgraduate studies in different fields whenever possible including the doctoral degree

4. Support the college as a scientific research center and advancing its role in the applied health research and making better utilization of research results especially in collaboration with various benefited groups.

5. Providing direct health service to the population by the medical staff of the college through the government health establishments and the private sectors.

6. Enforcement of cooperation links with the scientific and medical establishments both inside and outside Iraq for the advancement of medical practice as art, science and behavior.

7. Attempting to solve local health problems, usually by conducting scientific research and studies jointly with other medical institutions.

8. The collaboration with other centers and faculties in Basrah University to support the scientific advancement of the university and to support its role in the region and the world at large.

To provide a course in pharmacology with the aim of achieving adequate knowledge and competence in pharmacology, which form the basis for rational drug therapy in medical practice? The student, by the end of the course, should be:

a. Understand the mechanism of drug action at molecular as well as cellular levels, both desirable and adverse.

b. Understand the principles of pharmacokinetics i.e. drug absorption, distribution, metabolism and excretion and be able to apply these principles in therapeutic practice.

c. Recognize that drugs have action at most systems and should be able to group drugs with common pharmacological actions and appreciate that this classification is not absolute.

d. Be able to know or to prototype drugs of clinical importance within each pharmacological group

e. Know the common serious side effects and contraindications of each prototype drug, its interactions and factors modifying drug action.

f. Know the general principles of acute drug poisoning and other drug related problems such as addiction and abuse.

2. To conduct studies in the field of pharmacology, both basic and clinical, as well as in toxicology to enrich pharmacological knowledge and help in solving problems related to drugs in Iraq at large and in Basrah in particular.

3. To establish a channel of collaboration between our undergraduate and postgraduate studies and the High Commission of Medical Specializations and other colleges of the medical group such as colleges of Dentistry and Pharmacy to conduct joint workshops, conferences, research and postgraduate supervision and examination.

4. The department aims to be a part of drug vigilance in partnership with the general Directorate of Health in Basra to document and follow up cases of abnormal drug use and poisoning as well as counterfeit drugs. In addition, the department looks for establishing drug poison information service and drug monitoring laboratories as a part of the services offered to community.

4. Program Accreditation

Yes, from the National Council of Accreditation of Medical Colleges

5. Other external influences

WHO

6. Program Structure

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

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

7. Program Description

Year/Level	Course Code	Course Name	Credit Hours	
			Theoretical	
3 rd year	None	Introduction	1	
		Evaluation of new drugs	1	
		Pharmacodynamics	2	
		Pharmacokinetics	5	
		Pharmacogenetics	1	
		Cholinergic system	3	
		Adrenergic system	4	
		Antianginal drugs	1	
		Histamine and antihistamines	1	
		Serotonin , Kinins and Prostaglandins	2	
		Non-narcotic and NSAIDs	2	
		Narcotic analgesics	2	
		Drugs for gout	1	
		Antirheumatic drugs	1	
		Antibiotics (Part one)	3	
		Antibiotics (Part two)	3	
		Drug treatment for headache	1	
		Local anaesthesia	1	
		Neuromuscular blocking drugs	1	

	Anxiolytics and hypnotics	2
	Antipsychotics	1
	Antidepressants	1
	Antiepileptics	1
	Antiparkinsonian drugs	1
	Drugs acting on GIT	3
	Drugs acting on respiratory tract	2
	Diuretics	2
	Antihypertensive	2
	Antiarrhythmic drugs	3
	Hypolipidemic drugs	1
	Drugs in heart failure	1
	Anti-coagulants	2
	Anti-anaemic drugs and vitamins	2
	Antifungal	1
	Antiviral	1
	Antiprotozoal and anthelmintic	2
	Antituberculosis drugs	1
	Antimalarial drugs	1
	Antiseptics	1
	Corticosteroids	2
	Antidiabetics	2
	Thyroids hormones and anti-thyroid	1

	Vasopressin, Oxytocin and tocolytic drugs	1
	Sex hormones, contraceptive drugs	2
	Cytotoxic drugs	2
	Immunopharmacology	1
	Drugs interaction	1
	Drug poisoning	2
	Skin Pharmacology	1
	Drug abuse	1

8. Expected learning outcomes of the program

Knowledge	
Learning Outcomes 1	Raise awareness on of Pharmaco-vigilance
Skills	
Learning Outcomes 2	Teach medical students community service skills. Develop students to become effective doctors, scientists, and researchers who can meet community needs.
Learning Outcomes 3	Inspire students to pursue further medical education by learning from others' experiences.
Ethics	
Learning Outcomes 4	Respect for patient care and heightened ethical consciousness as a medical student
Learning Outcomes 5	Respect for medical ethics and the medical profession.

9. Teaching and Learning Strategies

1. Lectures (theory) 85-90 lectures/year. The class was divided into 2; each class consisted of 250 students. Each sub-class was given the same lecture. The objective of the lecture was clearly displayed to the class before

- starting the lecture.
2. Practical/ Discussion sessions: Small group discussion

10. Evaluation methods

The department uses these types of questions in the examination:

- a. One best answer type of questions
- b. Short essay questions
- c. matching

11. Faculty

Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
1-Ass. Prof. Jawad Kathem Hassan	MBChB medicine and general surgery	PhD community medicine				
2- Lecturer Shayma Fadel Abass	MBChB medicine and general surgery	PhD pharmacology				
3- Lecturer Noor Ahmed Abdullah	MBChB medicine and general surgery	PhD Microbiology				
4- Ass. Lecturer Saif Ali Jabbar	MBChB medicine and general surgery	Msc pharmacolog				
5- - Ass. Lecturer Huda Abdol Kareem Yaqoub		Msc pharmacology				

	MBChB medicine and general surgery					
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Professional Development
Mentoring new faculty members
Increase the number of academic staff
Professional development of faculty members
Briefly describe the academic and professional development plan and arrangements for faculty such as teaching and learning strategies, assessment of learning outcomes, professional development, etc.

12. Acceptance Criterion
Admissions to universities or medical colleges are central, however: We have to take student's desires in consideration Student's competencies should be assured like color blindness, presence of disabilities, and psychological testing. If students do not comply with these criteria, admission should be canceled.

13. The most important sources of information about the program
<ol style="list-style-type: none"> 1. Supreme Committee for Curriculum Development 2. Opinions of stakeholder 3. Global requirements

14. Program Development Plan
-Preparing for small group teaching Increase the number of academic staff

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
2024	Non	pharmacology	Basic	✓					✓					✓	

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

Course Description Form

1. Course Name: pharmacology	
2. Course Code: non	
3. Semester / Year: year 2023-2024	
4. Description Preparation Date: 20/2/2024	
5. Available Attendance Forms: presence	
6. Number of Credit Hours (Total) / Number of Units (Total)	
120 hours/ 8 units	
7. Course administrator's name (mention all, if more than one name)	
Shayma F. Abass	
8. Course Objectives	
Course Objectives	<ul style="list-style-type: none"> Graduates students must know how to write legal safe prescriptions. Accurately calculate and record pharmacological doses. Monitor, detect and report adverse drug reactions.
9. Teaching and Learning Strategies	
Strategy	Educational strategy, collaborative concept planning.
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
8 weeks	22		Basic Pharmacology	1. Lectures 2. Practical/discussion	1. One best answer questions 2. Short essay
3 weeks	9		CNS Pharmacology		
4 weeks	12		Cardiovascular		
1 week	3		Respiratory system		
1 week	3		Gastrointestinal		
5 weeks	15		Chemotherapy		
1 week	4		Blood		
2 weeks	6		Endocrines		
1 week	3		Sex hormones		
1 week	2		immunopharmacology		
1 week	3		Drug poisoning and abuse		
1 week	3		Skin and eye pharmacology		

11. Course Evaluation

Mid year examination 30 marks

Final year examination 60 marks written, 10 marks practical

Weekly formative examination

12. Learning and Teaching Resources

Required textbooks (curricular books any)	<ol style="list-style-type: none"> 1- Lippincott illustrated reviews: Pharmacology, 7th edition, 2016 2- Clinical Pharmacology, Morris Brown, Pankag Sharma, Fraz Mir, Peter Bennett, 12 edition, 2018 3- Basic and Clinical Pharmacology, Bertram Katzung, Susan Masters, Anthony Trevor, 12th edition 2012
Main references (sources)	
Recommended books and references (scientific journals, reports...)	
Electronic References, Websites	<ol style="list-style-type: none"> 1. BNF (Current issue) 2. FDA, USA (Food and drug administration)