

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

Academic program description forms for colleges and institutes

University: Basrah

College/Institute: Pharmacy

Academic Department: Pharmacology And Toxicology

File filling date: 2021-2022

Signature

Department Head:
DR.Azza sajad jabar

Signature

Vice Dean for Scientific Affairs:
Dr. Modher najim abduallah

File checked by:

Quality Assurance and University Performance Division

Director of the Quality Assurance and University Performance Division:

Date:

Signature:

Dr. Suha Shyal Abd AL-Hassan



Dean's endorsement
Dr. Falah Hassan Shari

Description of the academic program

This academic program description provides a brief summary of the most important characteristics of the program and the learning outcomes expected of the student to achieve, demonstrating whether he has made maximum use of the available opportunities. It is accompanied by a description of each course within the program.

1. The educational institution	Ministry of Higher Education and Scientific Research
2. Scientific Department / Center	Basra University - College of Pharmacy, Drugs and Toxicology Department
3. The name of the academic program or professional	Bachelor of Science in Pharmacy
4. The name of the last martyrdom	Bachelor
5. Academic system: Annual / courses / other	Two semesters per academic year
6. Accredited Accreditation Program	under study
7. Other external influences	practical part
8. Date of preparation of the description	2021-2022
9. Academic Program Objectives	
The program has five stages with ten chapters	
The second stage: P1: Physiology 1: It studies the functioning of the body's functions and includes the nervous system, the heart system, the circulatory system, and the nervous system. Sympathetic and parasympathetic P2 Physiology 2: It studies the functioning of the body's functions and includes the respiratory system, the urinary system, as well as the Endocrinology	
third level: P2 Pharmacology 1: It is an introduction to pharmacology and how the drug affects the body and the body's effect on the drug And it is an introduction to the initiation of drugs that affect the sympathetic and parasympathetic systems, as well as a study of the work of antibiotics	
The fourth stage: F 1: Pharmacology 2: studies the action of drugs for the nervous system, as well as drugs that act on the heart and circulatory system The effect of drugs on the respiratory and digestive systems is also studied P 2: Pharmacology 3: The study of the action of drugs on the endocrine glands, as well as cancer drugs, is completed. P2: Toxicology: It studies how toxic substances work and affect living organisms, whether they are Chemical or biological substances, or high doses of drugs	
level five: F1: Clinical toxicology: studies the clinical signs and side effects of drugs and substances. Toxic substances such as pesticides and detergents and their effect on the health of the human body	
10 . Required program outcomes and methods of teaching, learning and assessment	
A- Cognitive goals A 1- Knowing the nature of the functioning of the body's functions and the disorders accompanying them A 2- Knowing the categories and types of medicines based on the device on which the medicine works A 3- Knowing the mechanism of action of the drug, side effects and drug interactions A 4- Knowing the exact dosages and dealing with medications cautiously A 5- Knowing the effect of high drug doses and their toxic effect A6 - Identifying ways to treat poisoning with various chemicals	
b- The skill objectives of the programme B1 - Acquisition of the skill of how to measure the functioning and functions of the body in various organs B2 - Acquisition of the skill in identifying the toxic substance that causes the disease from	

the clinical symptoms			
B3 - Acquisition of skill in how to treat various pathological conditions			
Teaching and learning methods			
1- theoretical lectures 2-practical laboratories 3- seminars 4- Research			
Evaluation methods			
1Semester exams and final exams 2-daily oral and written exams 3- Exams and laboratory reports 4- graduation projects			
C- Emotional and moral goals. C 1- To enhance the student's ability to think and analyze logically C 2- Encouraging critical reading of relevant research C 3- Instilling the value of scientific honesty for students C4 - Enhancing the student's ability to deal with various pathological conditions			
Teaching and learning methods			
1- Lectures accompanying presentations and illustrations 2- Assigning students homework 3- Scientific discussion on methodological topics 4- Visiting websites and downloading scientific researches			
Evaluation methods			
Semester exams weekly reports oral exams			
d- General skills and qualifications transferred (other skills related to employability and personal development.) D1 - The skills of performing practical experiments and how to discuss the results D 2 - Gaining the ability to deliver in seminars and other things D3 - Gain the ability to make presentations and how to use computer programs			
Teaching and learning methods			
1Conducting practical experiments and using laboratory animals -2The use of explanatory videos as means to explain scientific materials 3- Use of modern display devices			
Evaluation methods			
Oral Discussions Writing exams Correspondence			
11. Program Structure			
school stage	Course or course code	Credit hours	
		theoretical	Practical
first			
Second	Physiology 1	3	2
	Physiology 2	3	2
third	Pharmacology 1	3	
fourth	Pharmacology 2	3	2
	Toxicology	2	2
	Pharmacology 3	2	
Fifth	Clinical Toxicology	2	2
Plan for personal development			

Personal and professional development Communication skills critical thinking Scientific analysis and discussions
13. Admission standard (setting regulations related to joining the college or institute)
The central admission of the Ministry of Higher Education and Scientific Research includes: Sixth science graduate The top ten percent on the Medical Institute, Department of Pharmacy
14. The most important sources of information about the program
-1Review of Medical Physiology; Ganong W.F (Ed.); 2005. -2Textbook of Medical Physiology by Guyton AC; latest edition. -3Lipincott Pharmacology latest Edition -4Casarett and Doull, Toxicology, the Basic Science of Poisons; latest edition. -5Gossel TA, Bricker TD, (Eds.); Principles of Clinical Toxicology; latest edition. 6-Viccellio P, (Ed.); Handbook of Medicinal Toxicology; latest edition.
8. Course objectives

Curriculum skills chart																			
Please check the boxes corresponding to the individual learning outcomes from the program being evaluated																			
Learning outcomes required from the program																			
year/level	Course Code	Course Name	Basic or optional	Cognitive goals				skill goals of the program				Emotional goals and value				General and Qualifying Skills Movable (other skills related to employability and personal development)			
				1	2	3	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
2nd		Physiology 1	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
		Physiology 2	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
3rd		Pharmacology 1	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
4th		Pharmacology 2	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
		Toxicology	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
		Pharmacology 3	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	
5th		Clinical Toxicology	Basic	*	*	*	*	*	*	*		*	*	*		*	*	*	

Course description form

Course description

This course description provides a brief summary of the most important characteristics of the course and the learning outcomes expected of the student to achieve. Demonstrating whether he has made maximum use of available learning opportunities. It must be linked to the description the program.;

1. The educational institution	Ministry of Higher Education and Scientific Research
2. Scientific Department / Center	Basra University - College of Pharmacy, Drugs and Toxicology Department
3. Course name/code	Physiology 1- Physiology 2- Medications 1- Drugs 2- Toxicology 3- Drugs 3- Clinical Toxicology
4. Forms of attendance available	Theoretical lectures - practical labs
5. Semester/year	The first and second semesters for all academic levels
6. Number of academic hours (total)	(ساعة اسبوعية) واحدة نظري واربع مجاميع عملي
7. Date this description was prepared	2021-2022
8. Course objectives	
Mechanism of action of the drug	
Study of side effects and drug interactions	
The effect of the drug on the human body	
pharmacokinetics and absorption	
Physiology and functioning of human body systems	
Nature of bodily functions	
The effect of pollutants and toxic substances on humans and living organisms	
Toxic effect of the drug	
Mechanism of treating poisoning with various chemicals and medicines	
10 . Course outcomes and methods of teaching, learning and assessment	
A- Cognitive goals	
A 1- Knowing the nature of the functioning of the body's functions and the disorders accompanying them	
A 2- Knowing the categories and types of medicines based on the device on which the medicine works	
A 3- Knowing the mechanism of action of the drug, side effects and drug interactions	
A 4- Knowing the exact dosages and dealing with medications cautiously	
A 5- Knowing the effect of high drug doses and their toxic effect	
A6 - Identifying ways to treat poisoning with various chemicals	
B - The skill objectives of the course.	
B1 - Acquisition of the skill of how to measure the functioning and functions of the body in various organs	
B2 - Acquisition of the skill in identifying the toxic substance that causes the disease from the clinical symptoms	
B3 - Acquisition of skill in how to treat various pathological conditions	
Teaching and learning methods	
1- Conducting practical experiments and using laboratory animals	
2-The use of explanatory videos as means to explain scientific materials	
3- Use of modern display devices	
Evaluation methods	
1- Semester exams and final exams	
2-daily oral and written exams	
3- Exams and laboratory reports	
4-graduation projects	

<p>C- Emotional and moral goals</p> <p>C 1- To enhance the student's ability to think and analyze logically</p> <p>C 2- Encouraging critical reading of relevant research</p> <p>C 3- Instilling the value of scientific honesty for students</p> <p>C4 - Enhancing the student's ability to deal with various pathological conditions</p>
Teaching and learning methods
<p>1 Lectures accompanying the presentations and illustrations</p> <p>2- Assigning students homework</p> <p>3- Scientific discussion on methodological topics</p> <p>4- Visiting websites and downloading scientific researches</p>
Evaluation methods
<p>Oral Discussions</p> <p>Writing exams</p> <p>Correspondence</p>
<p>D - Transferable general and qualification skills (other skills related to employability and personal development.)</p> <p>D1 - The skills of performing practical experiments and how to discuss the results</p> <p>D 2 - Gaining the ability to deliver in seminars and other things</p> <p>D3 - Gain the ability to make presentations and how to use computer programs</p>

11 . course structure				
hours	Required learning outcomes	Unit name / or Topic	Teaching method	Evaluation method
3 theoretical and 2 practical	human functions work	Physiology 1	Lectures	theory and practical Exam
3 theoretical and 2 practical	human functions work	Physiology 2	Lectures	theory and practical Exam
3 theoretical	Introduction to the work of medicines	Pharmacology 1	Lectures	Theory exam
2 theoretical and 2 practical	The action of medicines in the body's organs	Pharmacology 2	Lectures	theory and practical Exam
2 theoretical	The action of medicines in the body's organs	Pharmacology 3	Lectures	Theory Exam
2 theoretical and 2 practical	Action of medicines Toxic effects of various substances in the body's organs	Toxicology	Lectures	theory and practical Exam
2 theoretical and 2 practical	Mysterious effect of toxins	Clinical Toxicology	Lectures	theory and practical Exam

12 . Infrastructure	
1 required textbooks	<ul style="list-style-type: none"> -1Review of Medical Physiology; Ganong W.F)Ed.); 2005. -2Textbook of Medical Physiology by Guyton AC; latest edition. -3Lipincott Pharmacology latest Edition -4Casarett and Doull, Toxicology, the Basic Science of Poisons; latest edition. -5Gossel TA, Bricker TD, (Eds.); Principles of Clinical Toxicology; latest edition. -6Viccellio P, (Ed.); Handbook of Medicinal Toxicology; latest edition.
2 References	<ul style="list-style-type: none"> 1-British pharmacopeia-2Clinical pharmacology Rang and Dales pharmacology
A- Recommended books and references (Scientific journals, reports,)	<ul style="list-style-type: none"> Current opinion in pharmacology-1 2-american journal of pharmacology
B Electronic references, websites	<ul style="list-style-type: none"> www.sciencedirect.com www.scholar.google.com
13 . Course development plan	Extensive review and study of the school headquarters to add all that is new and clarify all that is vague, including It is beneficial to the student