

**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: Babylon

Faculty/Institute: college of medicine

Scientific Department: Pharmacology

Academic or Professional Program Name: Degree in medicine

Final Certificate Name: M.B.Ch.B

Academic System: Course

Description Preparation Date:

File Completion Date:10-2-2024

Signature:

Head of Department Name:

Reyadh Hadi Hashim

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

College of Medicine, University of Babylon aspire is to be one of the best ranking college in Iraq with distinct standing excellence in education and scientific research.

2. Program Mission

College of Medicine strives to improve health care and are committed to graduate safe competent doctors with lifelong learners and have a good knowledge of their duties and rights from the first day of graduation so they can continue their careers without problems.

The medical curriculum is outcome focused where the aim is to graduate physicians fulfill to work in Iraq and elsewhere, considering medical ethics framework and continuous development of academic program and professional training to improves skills for practice when they graduated. The college also encourages scientific research and postgraduate studies to achieve the national and international community health needs.

3. Program Objectives

The courses will be organized in a Competency subject based which provides an effective outcome-based strategy where various domains (knowledge, skill, attitude) of teaching including teaching learning methods and assessment form the framework of competencies. Maximum efforts were made to encourage integrated teaching between traditional subject areas using a small group learning approach starting with preclinical disciplines and exploring the relevance clinical or community cases in both the understanding and resolution of the problem. Students will acquire core knowledge of basic biomedical sciences and clinical sciences through an interdisciplinary approach to understand normal development structure and function of the human

4. Program Accreditation

75 hours covers the first semester

5. Other external influences

Data show with identification tools

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				
College Requirements	1	75		Basic

Department Requirements				
Summer Training				
Other				

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

7. Program Description				
Year/Level	Course Code	Course Name	Credit Hours	
Third	MePAi300008	Pharmacology	theoretical	practical
			45	30

8. Expected learning outcomes of the program	
Knowledge	
	- Knowledge skills – remembering
Skills	
	The ability to use scientific methods to study pharmacodynamic and kinetics of medical drugs
	Student gain skills concerning communications skill,listening skills,how to deal and break back news Teach the student how to keep touch with recent innovations
Ethics	
	The ability to solve problems scientifically

9. Teaching and Learning Strategies
1- Method of giving lectures 2- Small student groups 3- Duties 4- Formative assessments

10. Evaluation methods
1- Formative exams 2- Quarterly exams 3- Mid-term exams

11. Faculty

Faculty Members

Academic Rank	Specialization		Special Requirements/ (if applicable)	Number of the teaching staff	
	General	Special		Staff	Lecturer
Reyadh Hadi Hashim	Medicine	Pharmacology		Staff	
Salman Mohammed Salman	Medicine	Pharmacology		Staff	
Majid Kadhum Abbas	Pharmacy	Pharmacology		Staff	
Rusul Ali Kadhum	Medicine	Pharmacology		Staff	
Ahmed Ibrahim Rashid	Medicine	Pharmacology		Staff	
Zahraa Saleem Manji	Medicine	Pharmacology		Staff	

Professional Development

Mentoring new faculty members

Professional development of faculty members

Using recent developments in the field of specialization, in addition to updates and scientific websites

12. Acceptance Criterion

This depends on the average of the advanced student and the instructions of the Ministry of Higher Education and Scientific Research for that academic year (CENTRAL ADMISSION)

13. The most important sources of information about the program

Lippincott's Illustrated Reviews: Pharmacology, 7th Edition by Richard A Harvey; Pamela C Champe ; Richard Finkel ; Luigi Cubeddu &, Michelle A Clarke .

14. Program Development Plan

Student gain skills concerning communications skill, listening skills, how to deal and break back news.

Teach the student how to keep touch with recent innovations

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	MePAi300008	Pharmacology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Course Description Form

1. Course Name:
Pharmacology 1 st Course
2. Course Code:
MePAi300008
3. Semester / Year:
Third year
4. Description Preparation Date:
10-2-2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
75 hours/ 4 units
7. Course administrator's name (mention all, if more than one name)
Prof.Assist. Dr. Reyadh Hadi Hashim Email: reyadh.almosawi@uobabylon.edu.iq
8. Course Objectives
1. Clarifying the basic concepts in pharmacology 2. - Knowledge and understanding of the pharmacodynamic and kinetic of drugs 3. - Identifying the mechanisms, side effects, indications, and different drugs interactions of different medical drugs.
9. Teaching and Learning Strategies
Use of theoretical lectures and illustrations by power point presentation and interactive presentations, with use of smartboard and use of brainstorm, seminars and discussion

10. Course Structure

Week	Hours 3/week	Required Learning Outcomes	Unit or subje name	Learning method	Evaluation method
1 st .week		At the end of the lecture the student should know the routes of drug administration, absorption, distribution, metabolism and excretion of drugs.	3	Pharmacokinetics	Summative exam
2 nd .week		At the end of the lecture the student should know the effect of drugs on the body.	3	Pharmacodynamics	Summative exam
3 rd .week		At the end of the lecture the student should know the anatomy, functions, receptors, and neurotransmitters of ANS.	3	(ANS) Autonomic nervous system	Summative exam
4 th .week		At the end of the lecture the student should know the drugs that are mimics the acetylcholine..	3	Cholinergic agonists	Summative exam
5 th .week		At the end of the lecture the student should know the drugs that are inhibit the actions of acetylcholine.	3	Cholinergic antagonists	Summative exam
6 th .week		At the end of the lecture the student should know the drugs that are mimice the noradrenaline.	3	Adrenergic agonists	Summative exam
7 th .week		At the end of the lecture the student should know the drugs that blocks the action of adrenaline.	3	Adrenergic antagonists	Summative exam
8 th .week		At the end of the lecture the student should know the drugs that blocks the action of histamine..	3	Antihistamines	Summative exam
9 th .week		At the end of the lecture the student should know the synthesis, functions, receptors, agonists, and antagonists of serotonin..	3	Serotonin	Summative exam
10 th .week		At the end of the lecture the student should know the synthesis, functions, receptors, agonists, and antagonists of PGs..	3	Prostaglandins	Summative exam
11 th .week		At the end of the lecture the student should know the drugs used in the treatment of hypertension.	3	Antihypertensive s	Summative exam
12 th .week		At the end of the lecture the student should know the drugs used as .	3	Diuretics	Summative exam
13 th .week		At the end of the lecture the student	3	Antianginal drugs	Summative

	should know the classification, function, therapeutic uses, and side effects of diuretics.			exam
14 th .week	At the end of the lecture the student should know the drugs used in the treatment of HF.	3	Drugs for Heart Failure (HF)	Summative exam
15 th .week	At the end of the lecture the student should know the therapeutic uses and side effects of antiplatelets.	3	Antiplatelets	Summative exam

11- Course Evaluation
1- Formative exams
2- Quarterly exams
3- Mid-term exams

12. Learning and Teaching Resource	
1. Books Required reading:	Lippincott's Illustrated Reviews: Pharmacology, 7 th Edition by Richard A Harvey; Pamela.
2. Main references (sources)	Lippincott's Illustrated Reviews: Pharmacology, 7 th Edition by Richard A Harvey; Pamela C Champe ;Richard Finkel ;Luigi Cubeddu &, Michelle A Clarke (Editors) . Lippincott Williams & Wilkins 2019 Page 268-286.
A- Recommended books and references (scientific journals, reports...).	https://bpspubs.onlinelibrary.wiley.com/journal/14765381
B-Electronic references, Internet sites...	◆ https://youtu.be/0gJ3U6JxBN4

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Head of Department Name:

Reyadh Hadi Hashim

Date:

Signature:

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2- Method of giving lectures 2- Small student groups 3- Duties 4- Formative assessments

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Third	MePAi300008	Pharmacology	Basic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

Course Description Form

1. Course Name:
Pharmacology 2 nd Course
2. Course Code:
MePAi300008
3. Semester / Year:
Third year
4. Description Preparation Date:
10-2-2024
5. Available Attendance Forms:
6. Number of Credit Hours (Total) / Number of Units (Total)
75 hours/ 4 units
7. Course administrator's name (mention all, if more than one name)
Prof.Assist. Dr. Reyadh Hadi Hashim Email: reyadh.almosawi@uobabylon.edu.iq
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1. Clarifying the basic concepts in pharmacology 2. - Knowledge and understanding of the pharmacodynamic and kinetic of drugs 3. - Identifying the mechanisms, side effects, indications, and different drugs interactions of different medical drugs.
9. Teaching and Learning Strategies
Use of theoretical lectures and illustrations by power point presentation and interactive presentations,with use of smartboard and use of brainstorm,siminars and discussion

10. Course Structure

Week	Hours 3/week	Required Learning Outcomes	Unit or subje name	Learning method	Evaluation method
1 st .week		Introduction to CNS	3	Drugs affecting CNS	Summative exam
2 nd week		At the end of the lecture the student should know the drugs used in the treatment of Parkinsons disease.	3	Antiparkinson drugs	Summative exam
3 rd .week		At the end of the lecture the student should know the drugs used in the treatment of epilepsy.	3	Antiepileptic drugs	Summative exam
4 th .week		At the end of the lecture the student should know the drugs used in the treatment of the sever pain.	3	Opioids	Summative exam
5 th .week		At the end of the lecture the student should know the drugs used in the treatment of depression..	3	Antidepressants	Summative exam
6 th .week		At the end of the lecture the student should know the drugs used in the treatment of anxiety. .	3	Anxiolytic and hypnotic drugs	Summative exam
7 th .week		At the end of the lecture the student should know the drugs used in the treatment of schizophrenia. .	3	Antipsychotic drugs	Summative exam
8 th .week		A ta the end of the lecture the student should know the drugs which are used for CNS stimulation..	3	Cns stimulants	Summative exam
9 th .week		A ta the end of the lecture the student should know the drugs used in the treatment of G. and local anesthesia..	3	Anesthetics	Summative exam
10 th .week		At the end of the lecture the student should know introduction to antimicrobial drugs.	3	Antimicrobial drugs	Summative exam
11 th .week		At the end of the lecture the student should know the drugs used to inhibit the cell wall of bacteria.	3	Cell wall inhibitors	Summative exam
12 th .week		A ta the end of the lecture the student should know the drugs used in the treatment of Parkinsons disease.	3	Protein synthesis inhibitors	Summative exam
13 th .week		A ta the end of the lecture the student should know the drugs used in the treatment of fungal infection.	3	Antifungal drugs	Summative exam
14 th .week		A ta the end of the lecture the student	3	Antiviral drugs	Summative

	should know the drugs used in the treatment of Parkinsons disease.			exam
15 th .week	At the end of the lecture the student should know the drugs used in the treatment of cancer.	3	Anticancer drugs	Summative exam

11- Course Evaluation

- 1- Formative exams
- 2- Quarterly exams
- 3- Mid-term exams

12. Learning and Teaching Resource

1. Books Required reading:	Lippincott's Illustrated Reviews: Pharmacology, 7 th Edition by Richard A Harvey; Pamela.
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A- Recommended books and references (scientific journals, reports...).	https://bpspubs.onlinelibrary.wiley.com/journal/14765381
B-Electronic references, Internet sites...	◆ https://youtu.be/0gJ3U6JxBN4