

**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

Academic Program Description Form

Faculty/Institute: AL Nukhba college

Scientific Department: Pharmacy Department

Academic or Professional Program Name: Bachelor of pharmacy

Final Certificate Name: A Bachelor of Pharmacy

Academic System: Semesters

Description Preparation Date: 2/10/2023

File Completion Date: 13/3/2024

Signature:

Head of Department Name:

Prof.Dr. Intesar Tarik Numan

Date:

Signature:

Scientific Associate Name:

Prof Dr. Nadir Fadhil Habubi

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

Prof. Dr. Jameel Mousa Dhabab

1. Program Vision

The College of Pharmacy seeks to remain a pioneer and capable of preparing efficient pharmaceutical staff to work in health institutions and develop health care and scientific research

--

2. Program Mission

The College of Pharmacy is an educational and research institution whose goal is human health and to prepare pharmacists with a high level of pharmaceutical and medical knowledge and skills for the safe and effective use of various drugs and to provide the best medical services to the community.

3. Program Objectives

The department of pharmacy in the Alnukhba University College has been established in 2022 and accepted the qualified students to be enrolled in year 2022-2023. The department aims to prepare qualified pharmacists with a high level of knowledge and pharmaceutical and medical skills for the safe and effective use of various treatments and medicines, as well as preparing pharmaceutical expertise in the field of the pharmaceutical industry and providing the best pharmaceutical services to the community

4. Program Accreditation

Under implementation

5. Other external influences

Practical – research

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements	65	182	100%	

College Requirements	65	182	100%	
Department Requirements	65	182	100%	
Summer Training	----	---	Training in private pharmacies During summer holiday for 2 months in 3 rd and 4 th stage	
Other				

	-7				
	1 ST Year total hour = 34				
Credit hour	Practical	Theory	Course title	Code	Stage
3	2	2	Human biology	Ph1101	1 st
2	---	2	Principle of pharmacy practice	Ph1102	1 st
4	2	3	Analytical chemistry	Ph1103	1 st
1	-----	1	Medical terminology	Ph1104	1 st
3	-----	3	Mathematics and biostatistics	Ph1105	1 st
1	2	-----	Computer sciences	Ph1106	1 st
2	-----	2	English language	Ph1107	1 st

2	-----	2	Democracy and Human Rights	Ph1108	1 st
2	2	1	Human anatomy	Ph1209	1 st
3	2	2	Pharmaceutical calculation	Ph1210	1 st
3	2	2	Medical physics	Ph1211	1 st
4	2	3	Organic chemistry I	Ph1212	1 st
3	2	2	Human histology	Ph1213	1 st
1		1	Computer sciences	Ph1214	1 st
2nd year total hours: 42					
Credit hour	Practical	Theory	Course title	Code	stage
4	2	3	Organic chemistry II	Ph2101	2nd
4	2	3	Medical microbiology I	Ph2102	2nd
4	2	3	Physical pharmacy I	Ph2103	2nd
4	2	3	Physiology I	Ph2104	2nd
2	-----	2	Democracy	Ph2105	2nd
1	2	-----	Computer sciences	Ph2106	2nd
2	-----	2	Crimes of Ba'ath Regime in Iraq	Ph2107	2nd
3	2	3	Organic Chemistry III	Ph2208	2nd
4	2	3	Medical Microbiology II	Ph2209	2nd
4	2	3	Physical Pharmacy II	Ph2210	2nd
4	2	3	Physiology II	Ph2211	2nd
4	2	3	Pharmacognosy I	Ph2212	2nd
1	2	-----	Computer Sciences	Ph2213	2nd
2	-----	2	Arabic Language	Ph2214	2nd

3rd stage total hours = 37					
Credit hours	practical	Theoretical	Course title	Code	stage
3	2	2	Inorganic Pharmaceutical Chemistry	Ph3101	3 rd
3	2	2	Pharmacognosy II	Ph3102	3 rd
4	2	3	Pharmaceutical Technology I	Ph3103	3 rd
4	2	3	Biochemistry I	Ph3104	3 rd
4	2	3	pathophysiology	Ph3105	3 rd
4	2	3	Organic Pharm. Chemistry I	Ph3206	3 rd
3	----	3	Pharmacology I	Ph3207	3 rd
4	2	3	Pharm. Technology II	Ph3208	3 rd
4	2	3	Biochemistry II	Ph3209	3 rd
3	2	2	Pharmacognosy III	Ph3210	3 rd
1	----	1	Pharmacy Ethics	Ph3211	3 rd
4th stage total hours = 34					
Credit hours	Practical	Theoretical	Course title	Code	Stage
4	2	3	Pharmacology II	Ph4101	4 th
4	2	3	Organic Pharm. Chemistry II	Ph4102	4 th
3	2	2	Clinical Pharmacy I	Ph4103	4 th
3	2	2	Pharmaceutics	Ph4104	4 th
2	-----	2	Public Health	Ph4105	4 th
2	----	2	Pharmacology III	Ph4206	4 th
4	2	3	Organic Pharm. Chemistry III	Ph4207	4 th
3	2	2	Clinical Pharmacy II	Ph4208	4 th
3	2	2	General Toxicology	Ph4209	4 th

4	2	3	Industrial Pharmacy I	Ph4210	4th
2	----	2	Communication Skills	Ph4211	4th
5th stage total hours= 35					
Credit hours	Practical	Theoretical	Course title	Code	Stage
2	----	2	Organic Pharm. Chemistry IV	Ph5101	5th
4	2	3	Industrial Pharmacy II	Ph5102	5th
3	-----	3	Applied Therapeutics- I	Ph5103	5th
4	2	3	Clinical Chemistry	Ph5104	5th
2	4	----	Clinical Laboratory Training	Ph5105	5th
3	2	2	Clinical Toxicology	Ph5106	5th
1	----	1	Graduation project	Ph5107	5th
2	----	2	Pharmacoeconomic	Ph5208	5th
2	----	2	Applied Therapeutics- II	Ph5209	5th
3	2	2	Therapeutic Drug Monitoring (TDM)	Ph5210	5th
4	2	3	Advanced Pharmaceutical Analysis	Ph5211	5th
2	4	----	Hospital Training	Ph5212	5th
2	----	2	Dosage Form Design	Ph5213	5th
1	----	1	Pharmaceutical Biotechnology	Ph5214	5th

7. Evaluation methods

- Conducting daily, mid-semester and end-of-semester theoretical exams.
- Conducting oral theoretical and practical exams.
- Practical tests.

- Reports and research to provide students with knowledge of how to write scientific research.
- Graduation projects.

8. Expected learning outcomes of the program	
Knowledge	
Upon completion of the program, the student will have the ability to master the following knowledge	<ul style="list-style-type: none"> -Learn about the basic concepts of the pharmacy profession - Identifying different experimental methods by conducting a number of scientific experiments. Gaining experience and the ability to contact the experimental aspect with theoretical knowledge. Enabling students to become familiar with the most important references and sources in pharmaceutical sciences
Skills	
	<ul style="list-style-type: none"> -Enabling students to possess the skills of conducting scientific experiments. - Enabling students to read and interpret all medical and pharmaceutical terms and symbols. -Enabling students to possess the abilities to use modern devices and techniques related to pharmaceutical sciences. -Enabling students to possess the skills of using scientific research tools in the academic and scientific field. -It enables students to possess the skills of dialogue, discussion, listening to others and accepting their opinions. -Enabling students to acquire new information, skills and knowledge
Ethics	
	-Developing students' sense of belonging to the country .

	<ul style="list-style-type: none"> -Educating students to respect human dignity. -Promoting professional and ethical values among students practicing the pharmacist profession -Ethnicity is the spirit of cooperation and teamwork among students

9. Faculty						
Faculty Members						
Academic Rank	Specialization		Special Requirements/Skills (if applicable)		Number of the teaching staff	
	General	Special			Staff	Lecturer
prof Dr	Pharmacy sciences	PhD in pharmacology and toxicology			1	
Assiss prof Dr	Pharmacy sciences	PhD in pharmacognosy			1	
Assiss prof Dr	Organic chemistry	PhD in rubber technology			1	
Lecturer Dr	Pharmacy sciences	PhD pharmaceutical chemistry			1	
Lecturer Dr	Pharmacy sciences	PhD in pharmaceuticals			1	

Lecturer Dr	Pharmacy sciences	Iraqi board in clinical pharmacy			3	
Assiss lecturer	Pharmacy sciences	Master in clinical chemistry			2	
Assiss lecturer	Pharmacy sciences	Master in toxicology			1	
Assiss lecturer	Pharmacy sciences	Master in pharmaceuticals			2	
Assiss lecturer	Engineer	Master in control and systems			1	

Professional Development

Mentoring new faculty members

Continuous guides, workshop and scientific lectures done currently

Professional development of faculty members

workshop and scientific lectures and meeting done currently

10. Acceptance Criterion

acceptance system in private education (online portal). controls and conditions for the academic year 2022-2023.

11. The most important sources of information about the program

Controls, instructions and curricula approved by the Pharmacy Deans Committee.

12. Program Development Plan

Follow the program precisely to identify weakness

Develop the student ability to influence scientific discussion

			Programme Learning Outcomes													
Year / Level	Course Title	Core (C) Title or Option (O)	Knowledge and understanding				Subject-specific skills		Thinking Skills				General and Transferable Skills (or) Other skills relevant to employability and personal development			
			A1	A2	A3	A4	B1	B2	C1	C2	C3	C4	D1	D2	D3	D4
1 st year / 1 st sem	Human biology	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Principles of Pharmacy Practice	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Analytical Chemistry	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Medical Terminology	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Mathematics and Biostatistics	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Computer Sciences	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	English Language	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1 st year / 1 st sem	Democracy and Human Rights	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*

1st year / 2nd sem	Human Anatomy	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1st year / 2nd sem	Pharmaceutical Calculations	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1st year / 2nd sem	Medical Physics	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1st year / 2nd sem	Organic Chemistry I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1st year / 2nd sem	Histology	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1st year / 2nd sem	Computer Sciences	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Organic Chemistry II	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Medical Microbiology I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*

2nd year / 1st sem	Physical Pharmacy I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Physiology I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Democracy	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Computer Sciences	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 1st sem	Crimes of Ba'ath Regime in Iraq	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Organic Chemistry III	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Medical Microbiology II	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Physical Pharmacy II	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*

2nd year / 2nd sem	Physiology II	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Pharmacognosy I	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Computer Sciences	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*
2nd year / 2nd sem	Arabic Language	C	*	*	*	*	*	*	*	*	*	*	*	*	*	*

