

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



2024

Academic Program and Course Description Guide

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:

Faculty/Institute: Al-Noor University College

Scientific Department: Pharmacy

Academic or Professional Program Name: BSc Pharmacy

Final Certificate Name: BSc Pharmacy.

Academic System: Courses

Description Preparation Date: 3 Feb 2024

File Completion Date: 5Feb 2024

Signature:



Head of Department Name:

Asst. Poff. Dr Shakir M. Saied

Date: 17/2/ 2024

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

To be the Iraqi leader in innovating pharmacy education, biomedical research, and health care. Elaboration of students in scientific way with different pharmaceutical sciences, and improvement their scientific skills to be able to meet work field requirements, so that to achieve the maintenance of the staff for societal upgrade.

2. Program Mission

- 1- By standing on the real need of the society on the pharmaceutical sciences and knowing of the requirements of labor market throw questionnaires, surveys, and manual readings
- 2- Providing laboratory supplied with new instruments and suitable places for the students for working. The laboratories are furnished according to the required quality specifications.
- 3- Training the students on new and advanced instruments and identifying the technology and discovery of pharmaceutical fields.

3. Program Objectives

The department looks forward to achieving the goal of higher education by graduating students with scientific ability in pharmacy work, administration, and production sectors.

4. Program Accreditation

The department looks forward to achieving the goal of higher education by graduating students with scientific ability in pharmacy work, administration and production sectors.

5. Other external influences

The full care of the program is followed up by Ministry of High Education and Scientific Research, and Alnoor college University, i.e. the Deanship of our college, the Dean and the Quality Assurance Division and our Department of Pharmacy,

6. Program Structure

Program Structure	Number of Courses	Credit hours	Percentage	Reviews*
Institution Requirements				

College Requirements				
Department Requirements	مجموع عدد الكورسات	مجموع عدد الوحدات	مجموع الكورسات / الوحدات * 100	courses
Summer Training			تذكر	
Other				

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

7. Program Description			
Year/Level	Course Code	Course Name	Credit Hours
1 st year 1 st course	Human Biology	114	4
	Principles of pharmacy practice	117	2
	Analytical chemistry	111	5
	Medical Terminology	116	1
	Mathematics and Biostatistics	115	3
	Democracy and Human Rights	1210	1
	English language	113	2
	Computer sciences	112	2
2 nd course	Human Anatomy	128	3
	Pharmaceutical Calculations	1213	4
	Medical Physics	1211	4
		1212	5
	Organic Chemistry I		
		129	4
	Histology		
Computer Sciences II	1214	2	
2 nd year 1 st course	Medical Microbiology I	212	5
	Physical Pharmacy I	214	5
	Organic Chemistry II	213	5
	Physiology I	215	5
	Computer Sciences	216	2
	Baath Party Crimes	----	1
2 nd year 2 nd course	Organic Chemistry III	229	4
	Medical Microbiology II	228	5
	Physical Pharmacy II	2211	5
	Physiology II	2212	5
	Pharmacognosy I	2210	5
	Computer Sciences	2213	2

3rd year 1st course	Pharmacognosy II	315	4
	Inorganic Pharmaceutical Chemistry	312	4
	Pathophysiology	313	5
	Biochemistry I	311	5
	Pharmaceutical Technology I	314	5
2nd course	Pharmacognosy III	3210	4
	Organic Pharmaceutical Chemistry I	328	5
	Biochemistry II	326	5
	Pharmaceutical Technology II	329	5
	Pharmacology I	3211	3
	Pharmacy Ethics	327	1
4th year 1st course	Pharmacology II	414	5
	Clinical Pharmacy I	412	4
	Public Health	415	2
	Biopharmaceutics	411	4
	Organic Pharmaceutical Chemistry II	413	5
4th year 2nd course	Pharmacology III	4211	2
	Industrial Pharmacy I	429	5
	Clinical Pharmacy II	427	4
	General Toxicology	428	4
	Organic Pharmaceutical Chemistry III	4210	5
	Communication Skills	426	2
5th year 1st course	Applied Therapeutics- I	511	3
	Clinical Chemistry	512	5
	Hospital Training	5211	4

	Clinical Toxicology	514	4	
	Industrial Pharmacy- II	515	5	
	Organic Pharm. Chemistry- IV	516	2	
	Graduation project	517	1	
5th year 2nd course	Advanced Pharmaceutical Analysis	528	5	
	Applied Therapeutics-II	529	2	
	Dosage Form Design	5210	2	
	Clinical Laboratory Training	513	4	
	Pharmacoeconomic	5212	2	
	Therapeutic Drug Monitoring(TDM)	5213	4	
	Pharmaceutical Biotechnology	5214	1	
			137	92

8. Expected learning outcomes of the program	
Knowledge	
Learning Outcomes 1	Learning Outcomes Statement 1
Skills	
Learning Outcomes 2	Learning Outcomes Statement 2
Learning Outcomes 3	Learning Outcomes Statement 3
Ethics	
Learning Outcomes 4	Learning Outcomes Statement 4
Learning Outcomes 5	Learning Outcomes Statement 5

9. Teaching and Learning Strategies
By using power point program, and the lecturer uses headlines of the lecture with pictures in addition to discussion.

10. Evaluation methods
Using quizzes, mid exam and final exam, also reports.

11.	FACULTY FACULTY MEMBERS	
Shakir Mahmood saied	Academic Rank	Specialization

Essam hamo mahmood		General	Special
Faris abdulmaojod ahmed	Assistant professor	chemistry	organic
Ahmed yahya ahmed	professor	pharmacy	Pharmacology
Nuhad abdulwahab mohammed	professor	pharmacy	Pharmacology
Wafa mohammed ali hamid	professor	pharmacy	Medical biochemistry
Muaed jasim mohammed	Assistant professor	pharmacy	Pharmaceutical chemistry
Omer qutaeba badralden mahmod	Assistant professor	pharmacy	Pharmacology
Hani muslim ahmed	Assistant professor	chemistry	organic
Eman sami yasen	Assistant professor	pharmacy	Clinical pharmacy
Wala abdulwahid abdulazez	lecturer	General medicine and surgery	Patho chemistry
Adil taofeq mohammed	lecturer	biology	zoology
Ahmed faesal muteea	lecturer	biology	zoology
Rafia sami mahmood	lecturer	General surgery	General surgery
Zaenab abbas mohammed	lecturer	pharmacy	pharmacology
Adnan ali ihsan	lecturer	General surgery	General surgery
Qusay mohammed husein	lecturer	pharmacy	Clinical pharmacy
Hanan hassan ahmed	lecturer	General surgery	Medical physiology
Faris inad mohammed	Assistant lecturer	General surgery	pathology

Sara qutaiba badralden	Assistant lecturer	pharmacy	toxology
Nada khaery younis	Assistant lecturer	pharmacy	Dental pharmacology
Shahad mohammed theaa	Assistant lecturer	pharmacy	pharmacognosy
Anfal nabeel mustafa	Assistant lecturer	biology	microbiology
Areej ayad saeed	Assistant lecturer	pharmacy	Pharmaceutical chemistry
Zahra sabah ghanim	Assistant lecturer	pharmacy	Clinical pharmacy
Ayah mohammed theaa	Assistant lecturer	chemistry	Industrial chemistry
Duha ghasan younis	Assistant lecturer	pharmacy	Pharmaceutical chemistry
Mohammed abdulrazaq hamed	Assistant lecturer	pharmacy	pharmacology
Amina yaseen Mohamed tahir	Assistant lecturer	biology	microbiology
Isra abbas ali	Assistant lecturer	biology	zoology
Mustafa humam sami	Assistant lecturer	biology	
Mariam hazim abduljabar	Assistant lecturer	chemistry	medical biochemistry
Amina yaqthan basher	Assistant lecturer	chemistry	organic chemistry
Sahar khalid abdulhameed	Assistant lecturer	biology	microbiology
Ran abdul salam hamid	Assistant lecturer	biology	
Saja abbas abduljabar	Assistant lecturer	General medicine and surgery veterinary	toxology
Raya talal mahmood	Assistant lecturer	biology	biology

Mariam ahmed younis	Assistant lecturer	biology	biology
Karam measar abdulazez	Assistant lecturer	biology	biology
Ghada fathi salih	Assistant lecturer	Veterinary medicine	physiology
Faaha hassan ali	Assistant lecturer	physics	physics
Abdulqadr faris abdulqadr	Assistant lecturer	chemistry	
Saja saad ibrahem	Assistant lecturer	chemistry	
Yahya abdulmanaf ahmed	Assistant lecturer	Computer engineering	Computer engineering
Njawa Hussein ali	Assistant lecturer	chemistry	Industrial chemistry
Samara faris qasim	Assistant lecturer	Veterinary medicine	Veterinary preventive internal medicine
Sara ghasan ibraheim	Assistant lecturer	pharmacy	Clinical pharmacy
Bahjat saeed essa	Assistant lecturer	chemistry	
Saraa ahmed qahtan	Assistant lecturer	Environment sciences	Environment sciences
Raneya ibrahem sheet	Assistant lecturer	pharmacy	Industrial chemistry
Karim enas khalaf	Assistant lecturer	General surgery	pathology
Mustafa Mahmood younis	Assistant lecturer	chemistry	Analytical chemistry
Haneen Hussein abdullah	Assistant lecturer	chemistry	organic chemistry
	Assistant lecturer	biology	zoology
	Assistant lecturer	biology	

Professional Development

Mentoring new faculty members

Briefly describes the process used to mentor new, visiting, full-time, and part-time faculty at the institution and department level.

By guiding the new staff and selecting visitors according to the need of their specification. Full time staff are hired, while part time staff make a contract.

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.

11. Acceptance Criterion

State briefly the sources of information about the program.

Ministry of High Education and Scientific Research, Al-Noor College University, and Department of Pharmacy

12. The most important sources of information about the program

State briefly the sources of information about the program.

13. Program Development Plan

By E-learning and electronic exam

مخطط مهارات المنهج

يرجى وضع اشارة في المربعات المقابلة لمخرجات التعلم الفردية من البرنامج الخاضعة للتقييم

مخرجات التعلم المطلوبة من البرنامج

السنة / المستوى	رمز المقرر	اسم المقرر	أساسي أم اختياري	الأهداف المعرفية				الأهداف المهاراتية الخاصة بالبرنامج				الأهداف الوجدانية والقيمية				المهارات العامة والتأهيلية المنقولة (المهارات الأخرى المتعلقة بقبالية التوظيف والتطور الشخصي)				
				1أ	2أ	3أ	4أ	1ب	2ب	3ب	4ب	1ج	2ج	3ج	4ج		1د	2د	3د	4د
المرحلة الاولى		الكيمياء التحليلية				*														
		علم الحاسوب				*														
		اللغة الانكليزية		*																
		الاحياء البشري			*															
		الرياضيات والاحصاء			*															
		المصطلحات الطبية		*	*						*									
		مبادئ الممارسة الصيدلة			*						*	*								
		التشريح البشري			*						*									
		علم الانسجة			*						*									
	المرحلة الثالثة		حقوق الانسان				*													
		الفيزياء الطبية			*															
		الكيمياء العضوية 1			*															
		حسابات صيدلانية		*	*					*	*		*							
		الديمقراطية			*															
		جرائم نظام البعث			*															
		علم الاحياء الدقيقة الطبية 1			*															
		الكيمياء العضوية 2			*															
		صيدلة فيزياوية 1		*	*					*	*									

						*							*			فلسجة		
			*		*	*					*					كومبيوتر		
						*							*			فلسجة 2		
						*							*			علم الاحياء الدقيقة 2		
						*							*			كيمياء عضوية 3		
		*				*	*		*				*			عقاقير 1		
		*				*	*		*				*			صيدلة فيزيواوية 2		
						*							*			الكيمياء الحياتية		المرحلة الثالثة
		*				*	*		*				*			كيمياء صيدلانية لاعضوية		
						*	*		*				*			علم الامراض		
		*				*	*		*				*			صيدلة تكنولوجية 1		
		*				*	*		*				*			عقاقير 2		
						*							*			كيمياء حياتية 2		
*	*					*	*	*	*				*			اخلاقيات الصيدلة		
		*				*	*		*				*			كيمياء صيدلانية عضوية		
		*				*	*		*				*			صيدلة تكنولوجي 2		
		*				*	*		*				*			عقاقير 3		
		*				*	*		*				*			علم الادوية 1		
		*				*	*		*				*			الصيدلة الحيوية		المرحلة الرابعة
*		*				*	*	*	*				*			صيدلة سريرية 1		
		*				*	*		*				*			كيمياء صيدلانية عضوية 2		
		*				*	*		*				*			ادوية 2		
	*					*	*		*				*			صحة عامة		
*	*					*	*	*	*				*			مهارة التواصل		
	*					*	*		*				*			صيدلة سريرية 2		
						*			*				*			سموم عامة		
		*				*	*		*				*			صيدلة صناعية 1		
		*				*	*		*				*			كيمياء صيدلانية عضوية 3		
		*				*	*	*	*				*			ادوية 3		
		*				*	*	*	*				*			العلاجات التطبيقية 1		المرحلة الخامسة
	*					*	*	*	*				*			الكيمياء السريرية		

*	*					*				*							التدريب المختبري السريري	
							*		*					*			السموم السريرية	
		*					*		*		*			*			صيدلة صناعية 2	
		*					*		*		*			*			كيمياء صيدلانية عضوية 4	
					*		*						*	*			بحث التخرج	
							*		*		*			*			تحاليل صيدلانية متقدمة	
		*					*		*	*	*			*			العلاجات التطبيقية 2	
		*					*		*	*	*			*			تصميم الدواء	
	*					*			*	*	*		*	*			تدريب مستشفيات	
							*				*			*			اقتصاديات الدواء	
							*		*		*			*			مراقبة الادوية العلاجية	
		*					*		*		*			*			تقنيات حيوية صيدلانية	