

Republic of Iraq
Ministry of Higher Education & Scientific Research
Supervision and Scientific Evaluation Directorate
Quality Assurance and Academic Accreditation

Academic Program Specification Form For The Academic

University: of AL-AMEED
College: of Pharmacy
Department: _____
Date Of Form Completion: 9/6/2021

Dean's Name Uday Abdulsada Dean's Assistant For
Date: 9/6/2021 Scientific Affairs

Signature

Date: 9/6/2021

Signature

Dr. Ghafar Lutfi Ismaeel

Head of Department
Date: 9/6/2021
Signature Hander

Dr. Haidar Fahh Shamikh

Quality Assurance And University Performance Manager

Date: 9/6/2021

Signature

Dr. Ghafar L. Ismaeel

Dr. Ghafar L. Ismaeel

Template for Programme Specification

Review the of Higher Education performance Review (program review)
Programme Specification

This programmer specification provides a concise summary of the main features of the program and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if student takes full advantage of the learning opportunities that are provided.

It is supported by a specification for each course that contributes to the program

1. Teaching Institution	University of Al-Ameed
2. University Department/Centre	College of pharmacy
3. Programme Title	College of pharmacy
4. Title of Final Award	Bachelor of Pharmacy science (B.Sc. pharm)
5. Modes of Attendance offered	Courses- semester
6. Accreditation	Study units
7. Other external influences	Summer training-Educational visits
8. Date of production/ revision of this specification	2021/6/9
9. Aims of the Programme	
A. To impart knowledge, develop skills and competencies in students in pharmaceutical sciences and pharmacy practice B. To develop and advance the knowledge, attitude and skills of pharmacists and faculty member who can provide comprehensive pharmaceutical care to patients, improve patient outcomes, and meet societal needs for safe and effective drug therapy. C. To develop, promote research activities pursuing advances in pharmaceutical sciences and pharmacy practice. Translating research into healthcare practice is cornerstone of our mission.	

1 .learning Outcomes, teaching, learning and Assessment methods

A-Knowledge and Understanding

A1- To know the basic principles of pharmacology.

A2- To know the Physical and chemical properties of chemical compound and chemically manufactured.

A3- To identify the methods and pathways biosynthetic for medically effective compounds.

A4- - To identify the methods of classify and divide Natural products and their sources.

A5- To identify medicines extraction methods from their sources.

A6- To identify the effects of medicines on body Systems.

B. Subject-specific skills

B1-to identify the effect of chemical and physical properties of drugs.

B2-inaddition to the special therapeutic activity of each of them.

B3-to know the pharmaceutical biotechnological technique that used for drug design

Teaching and learning Methods

1. Lecture presentation
2. Student center
3. Team project
4. Tutorials
5. Scientific tour
6. Teaching a new technologies
7. Research and Experimental learning
8. Clinical Application

Assessment methods

1. Mid-term and final term exams
2. Quizzes
3. Interactive teaching and discussion
4. Homework and daily reports
5. Experimental report and assignment weekly.

C. Thinking skills

C1- Thinking skill (let's think about thinking ability) shocking and brain storming

C2-Problems making and solving with high performances

C3-Critical Thinking How to make a quizzes and self-solving

Teaching and Learning Methods

1. Lectures presentation and students training
2. Student center for interactive learning
3. Team project
4. Tutorials
5. Scientific tour
6. Teaching a new technologies
7. online learning

Assessment methods

- A. Mid-term and final term exams
- B. Quizzes
- C. Interactive teaching and discussion
- D. Homework and daily reports
- E. Experimental report and assignment weekly.

d. General and transferable skills (other skills relevant to employability and personal development)

- 1. Verbal communication**
2. Student able to express his idea clearly and confidently in speech.
- 3. Team Work and workshop**
4. Work confidently within group.
- 5. Analyzing Investigating**
6. Collect information's systematically to establish fact & principles, problem solving.
- 7. Planning & Organizing**
8. According to student capabilities to do plan activities & carry them through effectively.

Teaching and Learning Methods

Allowance to share a different activity according to required duty according to:

1. Lecture presentation
2. Student center
3. Team project
4. Tutorials
5. Scientific tour
6. Teaching a new technologies and up to date knowledge's
7. Research and Experimental learning
- 8. Clinical Applications**

Assessment Methods

1. Mid-term and final term exams
2. Quizzes
3. Interactive teaching and discussion
4. Homework and daily reports
5. Experimental report and assignment weekly.

11-Programme Structure				12. Awards and Credits
Level / year	Course or Module Code	Course or Module Title	Credits rating	
First	C1Hb 101	Human Biology	3	
	Pppp 102	Principles of pharmacy practice	2	
	P2A2 103	Analytical chemistry	4	
	Ptmt 104	Medical Terminology	1	
	Cimb 105	Mathematics and Biostatistics	3	
	VAM 101	Arabic language	2	
	VAM 103	English language	2	
	VAM 104	Computer sciences	1	

Level 2 / year	Course or Module Code	Course or Module Title	Credits rating	12. Awards and Credits
First	CIHa108	Human Anatomy	2	
	PPhc 109	Pharmaceutical Calculations	3	
	CImp 110	Medical Physics	3	
	PcOc1 111	Organic Chemistry I	4	
	CIHi 112	Histology	3	
	UAM 104	Human Rights	1	
	UAM 204	Computer Sciences II	1	
				17

Level 2 / year	Course or Module Cod	Course or Module Title	Credits rating	12. Awards and Credits
Second	PcOc 216	Organic Chemistry II	4	
	CIMm 217	Medical Microbiology	4	
	PPp 218	Physical Pharmacy I	4	
	Ptph13 219	Physiology I	4	
	UAM 304	Computer Sciences III	1	
	UAM 303	English language II	2	
	UAM 202	Democracy	2	
				21

Level 2 / year			12. Awards and Credits
Second	Course or Module Title	Course or Module Code	Credits rating
	Organic Chemistry III	PcOc3 223	3
	Medical Microbiology II	CIMv 224	4
	Physical Pharmacy II	PPp2 225	4
	Physiology II	PtPh2 226	4
	Pharmacognocoy I	phpa1 227	4
	Computer Sciences IV	UAM 404	1
			20

13. Personal Development Planning

1. Innovation and high performances and skill
2. High attitude with good communication skills

3. Negotiation skills

4. Leadership
5. Well learning
6. Integrity and persuaded
7. Respectation and motivations
8. Independency

14 . Admission criteria .

Considering the systems related to institute or college

15. key sources of Programme information

1. University website
2. Pharmacy college website
3. University & college guidelines of syllabus
4. Central library

Template for Programme specification

Review the of Higher Education performance Review (program review)

Programme specification

This course Specification provides a concise summary of the main features of the course and the course and the learning outcomes that a typical student might reasonably be expected to if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the Programme specification.

.1	Teaching Institution	University of Al-Ameed
.2	University Department/Centre	College of pharmacy
.3	Course Title-code	Physiology
.4	Programme	Bachelor of pharmacy (B.Sc. pharm)
.5	Modes of Attendance offered	Weekly
.6	Semesters per year	Two Semesters
.7	number of hours tuition (total)	Five hours every week (three theoretical two practical)
.8	Date of production/ revision of this specification	2021-6-9
.9	Aims of the course	To enable students understanding the basic principles of physiological functions of different tissues and organs of the human being, and how to evaluate these functions and correlate them with the normal and abnormal conditions. It also emphasizes on the role of homeostatic and hemodynamic changes in the integration of physiological status

1- Learning outcomes, teaching, learning and Assessment methods .

A-Knowledge and Understanding

- A1- To know the basic principles of pharmacy sciences.
- A2- To know the physical and chemical properties of chemical compound and chemically manufactured
- A3- To identify the methods and pathways biosynthetic for medically effective compounds.
- A4- To identify the methods of classify and divide Natural products and their sources.
- A5- To identify medicines extraction methods from their sources.
- A6- To identify the effects of medications on body Systems.

B- Subject-specific skills

- B1-to identify the effect of chemical and physical properties of drugs.
- B2-inaddition to the special therapeutic activity of each of them.

Teaching and learning Methods

- 1-Lecture presentation
- 2- Student center
- 3-Team project
- 4-Tutorials
- 5-Scientific tour
- 6-Teaching a new technologies
- 7-Research and Experimental learning
- 8-Clinical Application

Assessment methods

- A. Mid-term and final term exams
- B. Quizzes
- C. Interactive teaching and discussion
- D. Homework and daily reports
- E. Experimental report and assignment weekly.

C. Thinking SKILLS

- C1-shocking and brain-storming
- C2-problm making and solving
- C3-make quizzes
- C4-search a suitable solving for special problem

Teaching and Learning Methods

Lecture presentation
Student center
Team project
Tutorials
Scientific tour
Teaching a new technology
Research and Experimental learning
Clinical Application

Assessment methods

- F. Mid-term and final term exams
- G. Quizzes
- H. Interactive teaching and discussion
- I. Homework and daily reports
- J. Experimental report and assignment weekly.

D.GENERAL and Transferable Skills

(other skills relevant to employability and personal development)

1 -Verbal communication

Student able to express his idea clearly and confidently in speech

2-Team Work

Work confidently within group

3. Analyzing& investigating

Collect information systematically to establish fact &principles , solution prob

4. Planning &Organizing

Student able to plan activities & carry them through effectively

week	Hours	IIO2	Unit- Module or Topic Title	Teaching Method	Assessment Method
2	5	Cells structures and functions	Basic principles of medical physiology	Interactive lecture	A. Mid-term and final term exams B. Quizzes C. Interactive teaching and discussion D. Homework and daily reports Experimental report and assignment weekly.
3-6	16	Nerve and muscles	Nerves and muscles functions	=	
7-8	8	respiratory system	Respiratory system functions and function of each parts	=	
2	6		=	=	
2	6		=	=	
2	6		=	=	
2	6		=	=	

12-Infrastructure	
<p>Required reading</p> <ul style="list-style-type: none"> ▪ core texts ▪ course materials ▪ other 	<ul style="list-style-type: none"> ▪ Ganong’s Textbook of medical physiology ▪ Physiology laboratory textbooks ▪ Specialist physiology Journals ▪ Learning videos, Medscape, and others medical websites ▪ others
<ul style="list-style-type: none"> • Special requirements: • workshops • Periodicals training • IT software • Websites 	<ul style="list-style-type: none"> ▪ biomarkers kits ▪ apparatus including: stethoscope sphygmomanometer ECG
<ul style="list-style-type: none"> • Community-based facilities are including for example <ul style="list-style-type: none"> ○ Guest ○ Lectures ○ scholarship ○ research-study 	<ul style="list-style-type: none"> -practical studies -round table discussion -seminars

13- Admission	
<ul style="list-style-type: none"> ▪ Pre-requisites 	<p>The courses of:</p> <p>Biology Histology Anatomy</p>
<ul style="list-style-type: none"> ▪ Minimum number of students 	<p>Twenty- five students per group</p>
<ul style="list-style-type: none"> ▪ Maximum number of student 	<p>Thirty five students per group</p>