

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 (2023-2024)

University: Babylon

College: Pharmacy

Department: Pharmacology & Toxicology

Date of Form Completion: 25/04/2024

Dean's Name

Dean's Assistant For Scientific Affairs

Head of Department

Prof. Dr. Hussam Wahab

Assist. Prof. Dr. Aymen Amir

Assist. Prof. Dr. Qayssar Joudah Fadheel

Date: 25 / 04 / 2024

Date: 25 / 04 / 2024

Date: 25 / 04 / 2024

Signature

Signature

Signature

Quality Assurance And University Performance Manager

Date: 25 / 04 / 2024

Signature

TEMPLATE FOR PROGRAMME SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

PROGRAMME SPECIFICATION

This Program 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 he/she 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 Babylon
2. University Department/Centre	College of Pharmacy /Pharmacology & Toxicology
3. Program Title	Part of Bachelor in pharmacy sciences
4. Title of Final Award	Bachelor in pharmacy sciences
5. Modes of Attendance offered	Semester
6. Accreditation	
7. Other external influences	
8. Date of production/revision of this specification	25/04/2024
9. Aims of the Program	
1-Make the graduated students able be familiar with reading and processing the medical prescription	
2- Make the graduated students able to communicate with the patients	
3- Make the graduated students able to educate the patients about their medications	
4- Make the graduated students able to dispense medications in prescriptions in Hospitals and community pharmacy safely	

5-Doses specifications by therapeutic drug monitoring

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

- A1. Familiar with reading and processing the medicine prescription
- A2. Communicate with the patient
- A3. Educate the patients about their medications
- A4. To dispense medications in hospitals safely
- A5. to monitor drug level in blood to design new dosage regimen

B. Subject-specific skills

- B1. Communication skills with patients
- B2. Education skills to patients
- B3. Pharmacoeconomic skills

Teaching and Learning Methods

1-Seminars

2-Teaching lab

3-Hospital training

4-Lectures

5-Case presentations

Assessment methods

1-Quizzes

2-Oral examination

3- Midterm examination

4- Final examination

C. Thinking Skills

Not found

Teaching and Learning Methods

1. Use of white board

2. Data show

3. Seminars

4. direct patient education in Hospitals

Assessment methods

- 1-Quizzes
- 2-Oral examination
- 2- Midterm examination
- 3- Final examination

D. General and Transferable Skills (other skills relevant to employability and personal development)

- D1. Able to work in community pharmacy
- D2. Able to work in hospital pharmacy

Teaching and Learning Methods

- 1.Use of white board
- 2.Data show
- 3.Seminars
- 4.Direct patient education in Hospitals

Assessment Methods

- 2-Oral exam
- 2- Midterm exam
- 3- Final exam
- 4- Quizzes

11. Programmed Structure

11.1. First Year				
Subject Name	Code No.	Hours		Units
		Theory	Practical	
Medical Terminology	116	1	0	1
Total Units				1

11.2. Second Year				
Subject Name	Code No.	Hours		Units
		Theory	Practical	
Medical Physiology I	214	3	2	4
Medical Physiology II	228	3	2	4
Total Units				8

11.3. Third Year				
Subject Name	Code No.	Hours		Units
		Theory	Practical	
Pharmacology I	327	3	0	3
Total Units				3

11.4.Fourth Year				
Subject Name	Code No.	Hours		Units
		Theory	Practical	
Pharmacology II	411	3	2	4
Pharmacology III	426	2	0	2
General Toxicology	429	2	2	3
Total Units				9

11.5.Fifth Year				
Subject Name	Code No.	Hours		Units
		Theory	Practical	
Clinical Toxicology	516	2	2	3
Total Units				3

12.Awards and Credits
Not found

13. Personal Development Planning

There are certain modules within the program for personal development that provide opportunities for students and encourage them to engage in professionally relevant qualifications that allow students to reflect on their own professional development

14. Admission criteria.

The same criteria specified by College

15. Key sources of information about the program

- 1-Robert S. Beardsley, (ed.); Communication Skills in Pharmacy Practice, 5th edition. -**
- 1Robert J. Cipolle, Linda M. Strand, Peter C. Morley. Pharmaceutical Care Practice: The Clinician's Guide, 2nd Edition.**
- 2- Robert m. Veatch and Amy Haddad. Case Studies in Pharmacy Ethics. second edition. Copyright © 2008 by Oxford University Press, Inc.**
- 3-ALISON BLENKINSOPP, PAUL PAXTON(eds), Symptoms in the Pharmacy. A Guide to the Management of Common Illness, 6th edition.**
- 4- Roger Walker, Clive Edwards (eds), Clinical Pharmacy & Therapeutics**
- 5-Reference Text: Roger Walker, Clive Edwards (eds), Clinical Pharmacy & Therapeutics.2012**
- Barbara G.Wells & Joseph T. Diriro, Pharmacotherapy hand book 7th Edition.**
- 6-Drummond MF, O'Brien B, Stoddart GL, Torrance GW. Methods for the economic evaluation of health care programmes. 3rd ed. Oxford: Oxford University Press, 2005.**
- 7-Applied Clinical Pharmacokinetics, Second Edition, 2008 by Larry A. Bauer.**

Curriculum Skills Map

please tick in the relevant boxes where individual Program Learning Outcomes are being assessed

				Program Learning Outcomes															
Year / Level	Course Code	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	B3	B4	C1	C2	C3	C4	D1	D2	D3	D4
First	MT116	Medical Terminology	C	√	√	√	√	√	√	√					√	√			
Second	CP214	Medical physiology I	C														√	+	
Second	CP228	Medical physiology II	C	√													√	+	
Third	CP327	Pharmacology I	C			√	√	√	√								√	+	
Fourth	CP411	Pharmacology II	C			√	√	√	√					√	√	√	√	+	
Fourth	CP426	Pharmacology III	C			√	√	√	√					√	√	√	√	+	
Fourth	CT429	General toxicology	C			√	√	√	√										
Fifth	CT516	Clinical toxicology	C				√								√√	√		+	

TEMPLATE FOR COURSE SPECIFICATION

HIGHER EDUCATION PERFORMANCE REVIEW: PROGRAMME REVIEW

COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate 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 Babylon
2. University Department/Centre	College of Pharmacy
3. Course number:	
4. Modes of Attendance offered	Semester
5. year / Semester	First semester/first year First & second semester/second year Second semester /third year First & second semester/fourth year First semester/fifth year
6. Total no. of hours	29
8. Date of production/revision of this specification	25/4/2024
9. Aims of the Program	
1-Make the graduated students able be familiar with reading and processing the medicine prescription	
2- Make the graduated students able to communicate with the patient	
3- Make the graduated students able to educate the patients about their medications	

4- Make the graduated students able to dispense medications in prescriptions in

Hospitals and community pharmacy safely

5-Doses specifications by therapeutic drug monitoring

10. Learning Outcomes, Teaching, Learning and Assessment Methods

A. Knowledge and Understanding

- A1. familiar with reading and processing the medicine prescription
- A2. communicate with the patient
- A3. educate the patients about their medications
- A4. to dispense medications in hospitals safely
- A5. to monitor drug level in blood to design new dosage regimen

B. Subject-specific skills

- B1. Communication skills with patients
- B2. Education skills to patients
- B3. Pharmacoeconomic skills

Teaching and Learning Methods

- Power Points.. Whit board ,
- Simulators
- Guidelines
- Seminars • Skill lab.
- Lecture/ questions and answer
- Demonstration,
- Small groups assignment
- Procedures
- Power point slide
- Case study

Assessment methods

- Theory examination
- Practical examination
- Class activities
- Lab. Examination
- Practical evaluation
- Oral exam
- Midterm exam
- Final exam

C. Thinking Skills

- C1. Interpretation
- C2. Analysis
- C3. Evaluation

C4. Explanation

Teaching and Learning Methods

- PowerPoints.. Whit board ,
- Simulators
- Guidelines
- Seminars • Skill lab.
- Lecture/ questions and answer
- Demonstration,
- Small groups assignment
- Power point slide
- Case study

Assessment methods

- Theory examination
- Practical examination
- Class activities
- Lab. exam
- Practical evaluation
- Oral exam
- Midterm examination
- Final examination

11. Course Structure:					
Week	Hours	ILOs	Unit/Module or Topic Title	Teaching Method	Assessment Method
	5hr	Body functions	Medical physiology	Power Points. White board. Lecture	Theory exam Class activities
	5hr	Types of drugs	pharmacology	Power Points. White board, Lecture	Theory exam Class activities
	4hr	Types of toxins	General toxicology	Power Points. White board, Lecture	.Theory exam Class activities
	4hr	Clinical toxins	Clinical toxicology	Power Points. White board. Lecture	.Theory exam Class activities
				Power Points. White board. Lecture	.Theory exam Class activities

12. Infrastructure	
Required reading: · CORE TEXTS · COURSE MATERIALS · OTHER	1-Robert S. Beardsley, (ed.); Communication Skills in Pharmacy Practice, 5th edition.

Special requirements (include for example workshops, periodicals, IT software, websites)	-PowerPoints. -Internet
Community-based facilities (include for example, guest Lectures , internship, field studies)	Not found

13. Admissions	
Pre-requisites	Not found
Minimum number of students	
Maximum number of students	