

Republic of Yemen
Ministry of Higher Education & Scientific Research
21 September University for Medicals and Applied Sciences



Faculty of Clinical Pharmacy

Bachelor of Clinical Pharmacy & Pharm. D.

Course Specification of
Introduction to Pharmacy
Course Code. (02.01.275)

2022



T4: This Template is Developed and Approved by CAQA-Yemen, 2024

Prepared by:	Reviewed by:	Head of the Department:	Vice Dean for Quality Affairs	Dean of College:
Dr. Mohammed Addoais	Dr. Ali Alyahawi	Dr. -----	Dr. Abdulelah Thabet	Dr. Ali Alyahawi



I. General Information:

1.	Course Title:	Introduction to Pharmacy			
2.	Course Code:	02.01.275			
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours
			Lecture	Tutorial/Seminar	Lab
		1	1		--
4.	Level/ Semester at which this Course is offered:	1 st Level / 2 nd Semester			
5.	Pre –Requisite (if any):	-			
6.	Co –Requisite (if any):	-			
7.	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy & Pharm. D			
8.	Language of Teaching the Course:	English			
9.	Location of Teaching the Course:	Faculty of Clinical Pharmacy			
10.	Prepared by:	Mohammed Addoais			
11.	Date and Number of Approval by Council:				

II. Course Description:

This course will provide students with information resources about pharmacy and present situation and future of pharmacy as a career. It also covers the principles of basic and ethics of pharmacy practice. It will provide students with history of pharmacy and the future of pharmacy. It gives outstanding knowledge on the role of pharmacist in different pharmaceutical fields.

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II. Course Intended Learning Outcomes (CILOs) : Upon successful completion of the course, students will be able to:		Referenced PILOs	
A. Knowledge and Understanding:		I, P or M/A	
a1	Discuss the present situation and future of pharmacy as a career and ethics of pharmacy practice.		<u>A4</u>
a2	Describe the pharmacist's role in health care; dispensing, designing, monitoring of medication therapy.		A5
B. Intellectual Skills:			
b1	Specify the role of pharmacist in different pharmaceutical organizations.		B4
C. Professional and Practical Skills:			
c1	Apply pharmacy ethics in pharmacy practice.		C4
c2	Demonstrate different routes of drug administration		C3
D. Transferable Skills:			
d1	Write reports on different dosage forms.		D2
d2	communicate effectively and ethically with patients, public, and health care professionals		D1
I= Introduced, P=Practiced or M/A= Mastered/Advanced			

(A) Alignment of Course Intended Learning Outcomes (Knowledge and Understanding) to Teaching Strategies and Assessment Methods:		
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
a1	- Lecture - Instructor – student Interactive - Office hour	- Exam - Assignment - Quiz
a2	- Lecture - Instructor – student Interactive - Office hour	- Exam - Assignment - Quiz
(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:		



Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
b1	Specify the role of pharmacist in different pharmaceutical organizations.	- Lecture - Instructor – student Interactive - Exercises - Solving Problem Methods	- Problem-Solving Exercises. - Assignment - Quiz
(C) Alignment of Course Intended Learning Outcomes (Professional and Practical Skills) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
c1	Apply pharmacy ethics in pharmacy practice.	- Lecture - Instructor – student Interactive - Self-Learning	- Exam - Assignment - Quiz
c2	Demonstrate different routes of drug administration	- Lecture - Instructor – student Interactive - Self-Learning	- Exam - Assignment - Quiz
(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
d1	Write reports on different dosage forms.	- Self-Learning - Seminar - Exercises	- Presentation - Assignment - Quiz
d2	Communicate effectively and ethically with patients, public, and health care professionals	- Seminar - Instructor–student Interactive - Exercises	Presentation

IV. Course Contents:

A. Theoretical Aspect:

Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to Pharmacy profession	a1, a2, c1,c2	- Pharmacy definition, - Pharmacist, Introduction to Pharmacy , - Drug definition, Drug classes	1	2
2	Fields of Job Activities	a1, a2, c1,c2	- Pharmacy education - Pharmacy career	1	2
3	Role of Pharmacist	a1, a2,	Community pharmacist	2	4



	in Different Pharmaceutical Work Area	c1,c2,d1	- Hospital pharmacists - Industrial pharmacist - Clinical pharmacist - Other settings		
4	Routes of Administration	a1, a2, c1,c2	- Classification of routes of drug administration. - Advantage and disadvantages of different route of administration	1	2
5	Types of pharmaceutical dosage forms	a1, a2, c1,c2,d1, d2	- Types of dosage forms - Advantages dosage forms - Disadvantages dosage forms	2	4
6	Mid-term Exam			1	2
7	History of pharmacy	a1, a2, c1,c2	- China-Egypt- - Latin , Roman, - Arab and Islamic - Europe, modern century	2	4
8	Good pharmacy practice	a1, a2, c1,c2, b1, d1, d2	- Introduction - Definition - Guidelines standards for premises - Guidelines standards for dispensing. - Guidelines standards for labeling	1	2
9	Sources of drugs and drug information.	a1, a2, c1,c2	- Sources of drugs - Sources of drug information	1	2
10	The Pharmacy Profession and Ethics	a1, a2, c1,c2, d1, d2	- Definitions - Ethical standards - Ethics of Pharmacy practice	1	2
11	Pharmaceutical education	a1, a2, c1,c2	- Different approaches in pharmaceutical education - Specific courses - References in pharmacy program	1	2
12	Pharmacopoeias Standard	a1, a2, c1,c2	- Definitions - Types	1	2
13	Final Exam	a1, a2,		1	2



	c1,c2			
Number of Weeks /and Units Per Semester			16	32

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V. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1	2-12	5	a1, a2, b1, c1,c2, d1, d2
Total				5

VI. Schedule of Assessment Tasks for Students During the Semester:

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
1	Assignments	6 th	5	5%	a1, a2, b1, c1,c2, d1, d2
3	Midterm Exam	Week 7	20	20%	a1, a2, c1,c2,
4	Quiz 2	12 th	5	5%	a1, a2, c1,c2
5	Final Exam (Theory)	Week 16	70	70%	a1, a2, b1, c1,c2
Total			100	100%	

VII. Learning Resources:

1- Required Textbook(s):

- 1- Appleton and Lange, (2006), Drug Information: A Guide for Pharmacists. Malone PM Ed. 3rd Edition.
- 2- المحكم في تاريخ الطب والصيدلة عند العرب الجزء الثاني
- 3- تاريخ الصيدلة والعقاقير في العهد القديم والوسيط د. شحاتة قنوازي

2- Essential References.

- 1- lison Bradfield (2017). Martindale the complete drug reference. 39th ed. Pharmaceutical press.
- 2- Loyd, V Allen J.,2013, Remington: The Science and Practice of Pharmacy 22nd edition, Pharmac Press, London.

3- Electronic Materials and Web Sites etc.

1. <http://www.pharmatutor.org>
2. <http://www.uspbpep.com>
3. <http://www.usp.org>

VIII. Course Policies: (Based on the Uniform Students' By law (2007)

Class Attendance:

- 1 Class Attendance is mandatory. A student is considered absent and shall be banned from taking the final exam if his/her absence exceeds 25% of total classes.

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2	Tardiness: A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	Exam Attendance/Punctuality: No student shall be allowed to the exam hall after 30 minutes of the start time, and shall not leave the hall before half of the exam time has passed.
4	Assignments & Projects: Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	Cheating: Cheating is an act of fraud that results in the cancelation of the student's exam or assignment. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
6	Forgery and Impersonation: Forgery/Impersonation is an act of fraud that results in the cancelation of the student's exam, assignment or project. If it takes place in a final exam, the penalties stipulated for in the Uniform Students' Bylaw (2007) shall apply.
7	Other policies: The University official regulations in force will be strictly observed and students shall comply with all rules and regulations of the examination set by the Department, Faculty and University Administration.

Faculty of Clinical Pharmacy

Bachelor of Clinical Pharmacy & Pharm. D.

Course Plan (Syllabus) of **Introduction to Pharmacy**

Course Code. 02.01.275

I. Information about Faculty Member Responsible for the Course:						
Name of Faculty Member:	Mohammed addoais	Office Hours				
Location & Telephone No.:	776440327					
E-mail:	Addoais1@gmail.com	SAT	SUN	MON	TUE	WED THU

2021- 2022

II. Course Identification and General Information:

1.	Course Title:	Introduction to Pharmacy			
2.	Course Code:	02.01.275			
3.	Credit Hours:	Credit Hours	Theory Contact Hours		Practical Contact Hours
			Lecture	Tutorial/ Seminar	Lab Clinical
		1	1		-- --
4.	Level/ Semester at which this Course is offered:	1 st t Level / 2 nd t Semester			
5.	Pre –Requisite (if any):	None			
6.	Co –Requisite (if any):	None			
7.	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy & Pharmacy			
8.	Language of Teaching the Course:	English			
9.	Location of Teaching the Course:	Faculty of Medical Sciences			
10.	Prepared by:	Mohammed Addoais			
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IV. Course Intended Learning Outcomes (CILOs) :

Upon successful completion of the Course, student will be able to:

A. Knowledge and Understanding:

- | | |
|----|--|
| a1 | Discuss the present situation and future of pharmacy as a career. |
| a2 | Describe the pharmacist's role in health care; dispensing, designing, monitoring of medication therapy |

B. Intellectual Skills:

- | | |
|----|---|
| b1 | Specify the role of pharmacist in different pharmaceutical organizations. |
| b2 | |

C. Professional and Practical Skills:

- | | |
|----|--|
| c1 | Apply pharmacy ethics in pharmacy practice. |
| c2 | Demonstrate different routes of drug administration. |

D. Transferable Skills:

- | | |
|----|--|
| d1 | Write reports on different dosage forms. |
| d2 | communicate effectively and ethically with patients, public, and health care professionals |

V. Course Contents:

A. Theoretical Aspect:

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13	Final Exam		1	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching Strategies of the Course:

- Lecture
- Instructor – student Interactive
- Exercises
- Presentation
- Office hours

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- Seminar
- Assignment
- Self-Learning

VII. Assessment Methods of the Course:

خطأ! لم يتم العثور على مصدر المرجع.

- Assignments
- Quiz
- Exam
- Oral Presentation

No.	Assignments	Week Due	Mark
1	Assignment 1	2-12	5
Total			5

VI. Schedule of Assessment Tasks for Students During the Semester:

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