

Republic of Yemen
Ministry of Higher Education & Scientific Research
Emirates International University



Faculty of Medicine and Health Sciences

Department of Clinical pharmacy

Bachelor of pharm-D

Course Specification of

Pharmacy Orientation

Course No. (PHAR.ORI 102)



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Prepared by:

Dr.Mahmoud Al-Buryhi

Reviewed by:

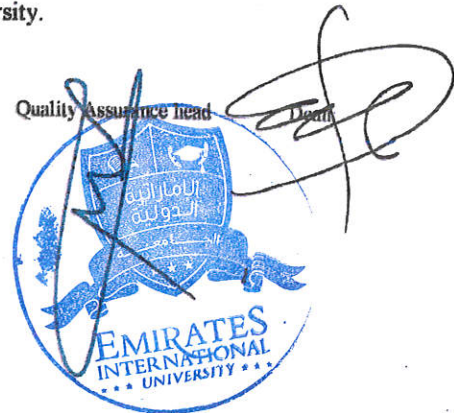
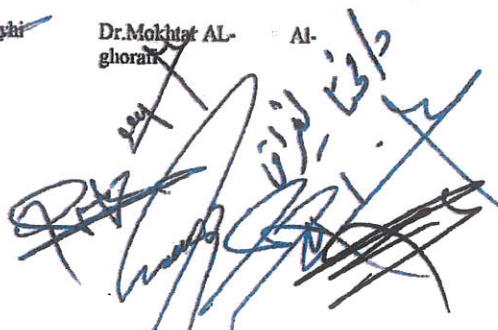
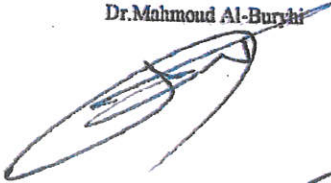
Dr.Mokhtat AL-ghoran

Head of the Department:

Al-

Quality Assurance head

Dean



I. Course Identification and General Information:					
1	Course Title:	Pharmacy Orientation			
2	Course Code & Number:	PHAR.ORI 102			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	2	--	--
4	Study Level/ Semester at which this Course is offered:	1 st Level / 1 st Semester			
5	Pre –Requisite (if any):	-			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Pharm D			
8	Language of Teaching the Course:	English			
9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Medicine & Health Sciences			
12	Prepared by:	Prof Dr/ Mahmoud Mahyoob Alburyhi			
13	Date of Approval:				

II. Course Description:

This course provides students with a background and introduction to overview, history, organizations, profession and ethics of pharmacy. it also concentrates on importance of pharmacy studying, fields of job activities, role of pharmacist in different pharmaceutical work area, pharmaceutical education and the future of pharmacy.

III. Course Intended Learning Outcomes (CILOs) : (maximum 8) Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program	
A. Knowledge and Understanding:		I, A or E	
a1	Recognize the basic principles of pharmacy profession, orientation, history and ethics of pharmacy practice	I	A1
a2	Identify the different pharmacy careers and role of pharmacist as a member in health care team in community, hospital, governmental and military pharmacies and role of pharmacist in pharmaceutical industries.	I	
a3	Describe properties of different pharmaceutical dosage forms, routs of drug administration and different types of prescriptions	E	
a4	Explain international and national pharmaceutical organizations.	E	
a5	Recognize idea about pharmacy education and future.	E	
B. Intellectual Skills:			
b1-	Determine the role of pharmacist in different pharmaceutical organizations and specializations	E	B1
b2-	Distinguish different types of dosage forms and the different routes of administration.	E	B3
b3-	Explore the importance of education for creating a pharmacist.	I	
b4	Recognize the importance of Pharmacopoeias standard in pharmacy practice	E	



C. Professional and Practical Skills:				
c1-	Utilize the proper pharmaceutical and medical terminology in ethical form to communicate with other health care professionals	A	C8	
c2-	Demonstrate different routes of drug administration.	A		
D. Transferable Skills:				
d1-	Write reports on different dosage forms.	A	D2	
d2	Work in team	A	D3	

(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	Recognize the basic principles of pharmacy profession, orientation, history and ethics of pharmacy practice Interactive Lectures Seminars	Exam, homework
a2	Identify the different pharmacy careers and role of pharmacist as a member in health care team in community, hospital, governmental and military pharmacies and role of pharmacist in pharmaceutical industries. ▪ Lectures.	▪ Exam, homework, Quizzes
a3	Describe properties of different pharmaceutical dosage forms, routs of drug administration and different types of prescriptions ▪ Lectures, Problem-based learning.	▪ Exam, homework, report, Quizzes
a4	Explain international and national pharmaceutical organizations. ▪ Lectures method, Discussions, Problem-based learning.	▪ Exam, homework
a5	Recognize idea about pharmacy education and future. ▪ Lectures method, Small group discussions.	▪ Exam, homework, Quizzes.

(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:		
Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1- Determine the role of pharmacist in different pharmaceutical organizations and specializations	Lectures, Discussions, brain storming, Solving Problem methods	▪ Exam, Quizzes,
b2- Distinguish different types of dosage forms and the different routes of administration.	▪ Lectures, Discussions, brain storming	▪ Homework, short answers and Written exam
b3- Explore the importance of education for creating a pharmacist.	▪ Lectures, Discussions.	▪ Exam, Quizzes, Homework
b4 Recognize the importance of Pharmacopoeias standard in pharmacy practice	▪ Lectures, Discussions	▪ Exam, Quizzes, Homework
(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- Utilize the proper pharmaceutical and medical terminology in ethical form to communicate with other health care professionals	▪ Lectures and Group discussion	▪ Homework, Written exam
c2- Demonstrate different dosage forms.	▪ Group learning and Problem-based learning.	▪ report, quiz, short answers
(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.	▪ Lectures ▪ Group Working	▪ homework
d2 Work in team	▪ Group Working ▪ Problem Solving	▪ Homework



IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	Introduction to pharmacy	Pharmacy definition, Pharmacist, Pharmacy Orientation, Drug definition, Drug classes Importance of studying pharmacy	3	3	a1, a2, b1,b3, c1, d2
2	Role of pharmacist in different pharmaceutical work area Pharmacy fields and profession,	Pharmacy fields, pharmacist professional relationship Characteristic of the profession Fields of job activities	2	4	a1, a2, b1, c1, c2, d1,d2
3	History of Pharmacy	Pharmacy of the ancient Egyptians (medical papyri, drugs, mummification and materials used in the mummification). Famous Arabs and Arab Pharmacy impact in Europe.	1	2	a1,b3, c2, d1,d2
4	Overview of pharmacy	Medicinal and analytical chemistry Pharmacognosy Industrial pharmacy Clinical pharmacy Community pharmacy	2	4	a2,b1, c2, d1,d2
5	The pharmacy Profession and ethics	Pharmacy ethics, practice	1	2	a1, a2, a5, b1, c2, d1,d2
6	Mid-term exam		1	2	a1, a2, a5, b1, b3, c1,c2
7	Pharmaceutical dosage forms	Classification, advantages and disadvantages with examples	1	2	a3, b2, c2, d1,d2
8	Pharmacopoeias standard	Definitions, types	1	2	a5, b4, c2, d1
9	Pharmacy organizations.	Definitions, types	1	2	a4, b1, b3, c2, d1,d2
10	Pharmaceutical education and the future of pharmacy	References for pharmacy information Primary, secondary and tertiary		2	a5, b1, b3, c2, d1,d2



		references Books and electronic resources for medical information New drug information			
11	Final Exam		1	2	a1-5, b1-4, c1-2
Number of Weeks /and Units Per Semester			16	32	

V. Teaching Strategies of the Course:

Lectures, Discussions, Small group discussions, brainstorming, Group learning and Problem-based learning.

VI. Assessment Methods of the Course:

Quizzes, Homework , report, short answers and Written exam

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1: Homeworks	3, 5,7,9, 11	5	a2,a3, a5, b2,b3, b4, c1, d2
2	Assignment 1: Reports	4,6,8,10	5	a1-4, b1, c2, d1
Total			10	

VIII. 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	3 rd to 10 th	5	10%	a1-5, b1-4, c1,c2, d1,d2
2	Quizzes 1 & 2	2 th and 11 th	5	10%	a2, a3, a5, b1, b3, c2

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment	Aligned Course Learning Outcomes
3	Mid-Term Theoretical Exam	7 th	10	20%	a1, a2, a5, b1, b3, c1,c2
4	Final Theoretical Exam	15 th	70	60%	a1-5, b1-2, c1-2
Total			100	100%	

IX. Learning Resources:

- *Written in the following order:* Author, Year of publication, Title, Edition, Place of publication, Publisher.

1- Required Textbook(s) (maximum two):

1. Loyd, V Allen J, 2013, Remington: The Science and Practice of Pharmacy 22nd edition, Pharmaceutic Press, London.
2. Aulton, M.E, (2013) Pharmaceutics, the design and manufacture of medicines. 4th edition, Churchill Livingstone, Edinburgh.

1- Recommended Readings and Reference Materials

- 1- Appleton and Lange, (2006), Drug information: A guide for Pharmacists. (Ed. 3rd Edition, Malone PM.
- 2- William N. Kelly, 2012, Pharmacy: What It Is and How It Works, 3rd edition, CRC Press.
- 3- www.go.osu.edu/learnaboutpharmacy

3- Electronic Materials and Web Sites etc.:

www.pubmed.com

<http://www.sciencedirect.com>

X. 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.
	Tardiness:
2	A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
	Exam Attendance/Punctuality:
3	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 Faculty of Medicine & Health Sciences
Department of pharmacy
Bachelor of Pharm D

**Course Plan (Syllabus) of
Pharmacy Orientation**

Course No. (PHAR.ORI 102)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:	Prof Dr/ Mahmoud Mahyoob Alburyhi	Office Hours					
Location & Telephone No.:							
E-mail:		SAT	SUN	MON	TUE	WED	THU

2020/2021

II. Course Identification and General Information:					
1	Course Title:	Pharmacy Orientation			
2	Course Code & Number:	PHAR.ORI 102			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	2	--	--
4	Study Level/ Semester at which this Course is offered:	1 st Level / 1 st Semester			
5	Pre -Requisite (if any):	-			
6	Co -Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Pharm D			
8	Language of Teaching the Course:	English			
9	Study System:	Semester based System			
10	Mode of Delivery:	Full Time			
11	Location of Teaching the Course:	Faculty of Medicine & Health Sciences			
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III. Course Description:

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IV. Course Intended Learning Outcomes (CILOs):

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

V. Course Contents:				
A. Theoretical Aspect:				
No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to pharmacy	Pharmacy definition, Pharmacist, Pharmacy Orientation, Drug definition, Drug classes Importance of studying pharmacy	3	6
2	Role of pharmacist in different pharmaceutical work area Pharmacy fields and profession,	Pharmacy fields, pharmacist professional relationship Characteristic of the profession Fields of job activities	2	4
3	History of Pharmacy	Pharmacy of the ancient Egyptians (medical papyri, drugs, mummification and materials used in the mummification). Famous Arabs and Arab Pharmacy impact in Europe.	1	2
4	Overview of pharmacy	Medicinal and analytical chemistry Pharmacognosy Industrial pharmacy Clinical pharmacy Community pharmacy	2	4
5	The pharmacy Profession and ethics	Pharmacy ethics, practice	1	2
6	Mid-term exam		1	2
7	Pharmaceutical dosage forms	Classification, advantages and disadvantages with examples	1	2
8	Pharmacopoeias standard	Definitions, types	1	2
9	Pharmacy organizations.	Definitions, types	1	2
10	Pharmaceutical education and the future of pharmacy	References for pharmacy information Primary, secondary and tertiary references Books and electronic resources for medical information New drug information	2	4
11	Final Exam		1	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching Strategies of the Course:

Lectures method, Discussions, Small group discussions, brainstorming, Group learning and Problem-based learning.

VII. Assessment Methods of the Course:

Quizzes, Homework , short answers and Written exam

VIII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
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2.
2- Recommended Readings and Reference Materials
4- Appleton and Lange, (2006), <i>Drug information: A guide for Pharmacists</i> . (Ed. 3rd Edition, Malone PM.
5- William N. Kelly, 2012, <i>Pharmacy: What It Is and How It Works</i> , 3 rd edition, CRC Press.
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3- Electronic Materials and Web Sites etc.:
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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.

