

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 **Pharmaceutical Care-II**

Course No. (02.01.271)

2021/2022

I. Course Identification and General Information:

1	Course Title:	Pharmaceutical Care-II			
2	Course Code & Number:	02.01.271			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Seminar	
		1	-	2	--
4	Study Level/ Semester at which this Course is offered:	4 th Level / 2 nd Semester			
5	Pre –Requisite (if any):	Pharmacology-III Pharmaceutical Care-I			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy & 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 Clinical Pharmacy			
12	Prepared by:	Dr. Ali Alyahawi			
13	Date of Approval:	2022			

II. Course Description:

The course content aims to improve the students skills and knowledge of patient-centered pharmaceutical care that use the theoretical and basic principles of pharmacology, therapeutic and clinical courses, improving patient counseling, communication skills and patient adherence, documenting pharmaceutical care, and developing pharmaceutical care of selected cases discussion.

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Dr. Ali Alyahawi		Dr. -----	Dr. Abdulelah Thabet	Dr. Ali Alyahawi

III. Course Intended Learning Outcomes (CILOs) :		Referenced PILOs Learning out of program
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:		
a1	Define the concepts of communications skills and counseling points of different pharmacotherapy regimens.	A1
a2	Describe the role of clinical pharmacist in patient care as active member of the healthcare professionals.	A5
a3	Define pharmaceutical care plan of different patients conditions.	A5
B. Intellectual Skills: Upon successful completion of the course, students will be able to:		
b1	Compare and classify drug therapy problems according to their appropriate interventions.	B5
b2	Construct the pharmaceutical care plan for drug related problems of different patient conditions.	B4
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:		
c1	Select and implement the rational pharmacotherapy regimen and monitoring parameters for different patients conditions.	C4, C5
D. Transferable Skills: Upon successful completion of the course, students will be able to:		
d1	Communicate effectively with patients and other healthcare professionals.	D1, D3
d2	Search properly for medical information from professional medical sites and references	D5

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(A) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1- Define the concepts of communications skills and counselling points of different pharmacotherapy regimens.	- Interactive class discussion - Assignment - Office hours - Role plays - Watching videos - Case Presentation - Seminar	- Exam - Assignment - Oral presentation
a2- Describe the role of clinical pharmacist in patient care as active member of the healthcare professionals.	- Interactive class discussion - Assignment - Office hours - Role plays - Case Presentation - Seminar	- Exam - Assignment - Oral presentation
a3- Define pharmaceutical care plan of different patients conditions.	- Interactive class discussion - Assignment - Office hours - Role plays - Case Presentation - Seminar	- Exam - Assignment - Oral presentation

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1- Compare and classify drug therapy problems according to their appropriate interventions.	- Interactive class discussion - Assignment - Office hours - Role plays - Watching videos - Case Presentation - Seminar	- Exam - Assignment - Oral presentation

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b2- Construct the pharmaceutical care plan for drug related problems of different patient conditions.	- Interactive class discussion - Assignment - Office hours - Role plays - Case Presentation - Seminar	- Exam - Assignment - Oral presentation
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(C) Alignment Course Intended Learning Outcomes of Professional and Practical Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
C1- Select and implement the rational pharmacotherapy regimen and monitoring parameters for different patients conditions.	- Lectures - Assignment - Office hours - Case Presentation - Seminar	- Exam - Assignment - Oral presentation

(D) Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1-Communicate effectively with patients and other healthcare professionals.	- Role plays - Case Presentation - Seminar	- Oral presentation
d2- Search properly for medical information from professional medical sites and references	- Lectures - Assignment - Office hours - Case Presentation - Seminar	- Exam - Assignment - Oral presentation

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IV. Course Content.

A – Theoretical Aspect:

Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	contact hours
1	Principles of Communication Skills	a1, b2, d1	- The basics of patient communication - Product-specific counselling points	2	4
2	Standards and Principles for Documenting Pharmaceutical Care	b2	- The standards for documentation - Skills required for documenting pharmaceutical care	2	4
3	Adherence and compliance	a1, a2, b2, d1	- Defining Adherence - The Patient's Medication Experience - Adherence as a Test of Patient-Centeredness - The common causes of medication non-adherence - Medication Management as a Solution to Non-adherence	2	4
4	Medication errors	a1, a2, b2, d1	- Types, Prevention, & Management	1	2
5	Midterm Exam	a 1, a2, a3, b1, b2, c1,		1	2
6	Pharmaceutical and health care needs of people with CVD Problems (Cases Presentation)	a 1, a2, a3, b1, b2, c1, d1, d2	- HTN - HF - IHD - DVT - ACS - Stroke	3	6
7	Pharmaceutical and health care needs of people with Endocrine Problems (Cases Presentation)	a 1, a2, a3, b1, b2, c1, d1, d2	- DM type 2 - Initiation and titration of insulin - Thyroid disorders	2	4

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8	Pharmaceutical and health care needs of people with selected infectious diseases (Cases Presentation)	a 1, a2, a3, b1, b2, c1, d1, d2	- Meningitis - Pneumonia - Urinary tract Infection (UTI)	2	4
9	Final Exam	a 1, a2, a3, b1, b2, c1		1	2
Number of Weeks /and Units Per Semester				16	32

B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	NA			
13	-			
14	-			
15	-			
16				
Number of Weeks /and Units Per Semester				

C. Tutorial Aspect: (ان وجدت)

No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	NA			
Number of Weeks /and Units Per Semester				

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V. Teaching Strategies of the Course:

- Interactive class discussion
- Assignment
- Office hours
- Role plays
- Watching videos
- Case Presentation
- Seminar

VI. Assessment Methods of the Course:

- Assignments
- Quiz
- Exam

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Assignment 1: Describe Examples of DRPs	b2, d2	Week 6	5
2	Assignment 2: Describe Examples of pharmaceutical care plan for different patients conditions	b2, d2	Week 12	5
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	Week 6, 12	10	10 %	b2, d2
2	Case Presentation	Week 2-14	10	10 %	a 1, a2, a3, b1, b2, c1, d1, d2
3	Midterm Exam	Week 8	10	10 %	a 1, a2, a3, b1, b2, c1
4	Final Exam	Week 16	70	70 %	a 1, a2, a3, b1, b2, c1
Total			100	100%	

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IX. Learning Resources:

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

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

- Langely CA, Belcher D. Applied Pharmaceutical Practice. 1st ed. 2008. Pharmaceutical Press. London. 2009. ISBN 978 0 85369 746 6
- David M. Angaran, Karen Whalen, 2015. Medication Therapy Management: A Comprehensive Approach., 2nd ed, ISBN: 978-0-07-184869-5

2- Essential References.

- Cipolle, RJ, Strand, LM, & Morley, PC, 2012. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition). ISBN-13: 0071756389
- Robert S. Beardsley, Carole L. Kimberlin, William N. Tindall. 2011. Communication Skills in Pharmacy Practice: A Practical Guide for Students and Practitioners.. ISBN-13: 978-1608316

3- Electronic Materials and Web Sites etc.

- www.medlineplus.com (for patient counseling).
- www.guidelines.gov (International guidelines)
- www.drugs.com (for drug-drug interactions)
- www.pubmed.com (Clinical trials).

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

Class Attendance:

- 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:

- 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:

- 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.

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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.
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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.

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I. Information about Faculty Member Responsible for the Course:

Name of Faculty Member:	Dr. Ali Alyahawi	Office Hours					
Location & Telephone No.:							
E-mail:		SAT	SUN	MON	TUE	WED	THU

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