

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

Course Specification of Pharmacy Practice (1)

Course No. (02.01.219)

2016/2017



This template of course specifications was prepared by CAQA, Yemen, 2017.

Prepared by:

Dr. Abdelmalek abudunya

Reviewed by:

Dr. Ali Alyahawi

**Head of the
Department:**

Dr. -----

Vice Dean for Quality affairs

Dr. Abdulalah Thabet

Dean of College:

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I. Course Identification and General Information:

1	Course Title:	Pharmacy Practice (1)			
2	Course Code & Number:	02.01.219			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Seminar	
		2	2		--
4	Study Level/ Semester at which this Course is offered:	5 th Level / 1 st Semester			
5	Pre –Requisite (if any):	Pharmacology III			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy			
8	Language of Teaching the Course:	English			
11	Location of Teaching the Course:	Faculty of Clinical Pharmacy			
12	Prepared by:	Dr. Abdulmalik Abudonia			
13	Date of Approval:				

II. Course Description:

The pharmacy practice-I course designed to allow students to develop both their clinical communication and examination skills using a patient-centred approach in different patient's settings. The course content introduces students to their professional responsibilities as clinical pharmacists. It is directed toward improving the student's skills to use the theoretical and clinical courses to identify and resolve different treatment related problems.

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III. Course Intended Learning Outcomes (CILOs) Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program
A. Knowledge and Understanding:		
a1	Define the Knowledge and skills required to practice as a clinical pharmacist in the specific patient setting.	A3, A4, A5
a2	Identify the clinical Skills needed in patient-centered care and appropriate interventions.	A6, A7
B. Intellectual Skills:		
b1	Construct patient-centered interviews to obtain a complete medical and medication history and design pharmaceutical care plans for different patient conditions	B5
b2	Recognize variations of normal findings during physical examination and lab data interpretation.	B6
C. Professional and Practical Skills:		
c1	Perform a physical examination on an adult patient, in an orderly, efficient manner and manage patients' medication and health needs as part of an interprofessional team.	C3
c2	Participate in the education of patients and their caregivers/family, and other healthcare providers.	C4
D. Transferable Skills:		
d1	Communicate effectively with patients and other healthcare professionals	D1
d2	Efficiently search in the medical journal databases for updated professional medical information	D2, D3

(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 Knowledge and skills required to practice as a clinical pharmacist in the specific patient setting.	- Lectures - Assignment - Office hours - Seminar	- Exam - Assignment - Oral presentation
a2- Identify the clinical skills needed in patient-centered care and appropriate interventions.	- Lectures - Assignment - Office hours - Role plays	- Exam - Assignment - Oral presentation

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- Case 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- Construct patient-centered interviews to obtain a complete medical and medication history and design pharmaceutical care plans for different patient conditions	- Lectures - Assignment - Office hours - Role plays - Watching videos - Case Presentation - Seminar	- Exam - Assignment - Oral presentation
b2- Recognize variations of normal findings during physical examination and lab data interpretation.	- Lectures - Assignment - Office hours - Role plays - Case Presentation - Seminar	- Exam - Assignment - Oral presentation
(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- Perform a physical examination on an adult patient, in an orderly, efficient manner and manage patients' medication and health needs as part of an interprofessional team.	- Lectures - Assignment - Office hours - Case Presentation	- Exam - Assignment - Oral presentation
C2- Participate in the education of patients and their caregivers/family, and other healthcare providers.	- 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- Efficiently search in the medical journal databases for updated professional medical information	- Lectures - Assignment - Office hours	- Exam - Assignment - Oral presentation

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			- Case Presentation		
IV. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	Contact Hours
1	Introduction to Clinical Pharmacy Practice	a 1, a2	- Definitions - Role of Clinical Pharmacist	1	2
2	Clinical Skills Needed in Patient-Centered Care Setting	a 1, a2	- Physical Examination & Vital Signs Evaluations	1	2
			- Clinical Lab Data (Tests) Interpretations	3	6
			- Special Diagnostic Tests	2	4
3	Midterm Exam			1	2
4	Non-Pharmacotherapy Measures	a 2, b1, b2, c1, c2	- Definitions - Types - Physiotherapy - Psychotherapy - Therapeutic Life-Style Change (TLC) & Diet Control	1	2
5	Benefit: Risk Assessment (BRA)	a 2, b1, b2, c1, d2	- Benefit-risk ratios in the assessment of the clinical evidence: with Examples for Clinical Cases	1	2
6	Pharmacotherapy for Specialized Population	a 1, a 2, b1, b2, c1, c2, d1, d2	- Pregnant Women	1	2
			- Lactating Women	1	2
			- Pediatric	1	2
			- Geriatric	1	2
			- Liver & CKD	1	2
7	Final Exam	a 1, a 2, b1, b2, c1, c2, d2		1	2
Number of Weeks /and Units Per Semester				16	32

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Republic of Yemen
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21 SEPTEMBER UMAS
Faculty of Faculty of Clinical Pharmacy
Department of
Unit of Development & Quality assurance

الجمهورية اليمنية
وزارة التعليم العالي والبحث العلمي
جامعة 21 سبتمبر للعلوم الطبية والتطبيقية
كلية الصيدلة السريرية
قسم
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B. Case Studies and Practical Aspect:

No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
1	NA			
2				
Number of Weeks /and Units Per Semester				

C. Tutorial Aspect: (ان وجدت)

No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	NA			
2	1-			
Number of Weeks /and Units Per Semester				

V. Teaching Strategies of the Course:

- Lectures
- Assignment
- Office hours
- Role plays
- Watching videos
- Case Presentation
- Seminar

VI. Assessment Methods of the Course:

- Assignments
- Exam

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- Quiz				
VII. Assignments:				
No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Assignment 1: Describe some advantages a to pharmaceutical care practice	a1	Week 3	2.5
2	Assignment 2: Describe Examples of clinical pharmacist Skills Needed in Patient-Centered Care	a2, b2	Week 12	2.5
Total				5

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 3, 12	5	5 %	a 1, b2
2	Case Presentation	Week 2-14	10	10 %	a1, a2, b1, b2, c1, c2, d1, d2
3	Midterm Exam	Week 8	15	15 %	a 1, a2, b1, b2, c1, c2, d2
4	Final Exam	Week 16	70	70 %	a 1, a2, b1, b2, c1, c2, d2
Total			100	100%	

IX. Learning Resources:	
1- Required Textbook(s) (maximum two).	
	1. Langely CA, Belcher D, 2009 , Applied Pharmaceutical Practice. 1st ed. Pharmaceutical Press. London. ISBN 978 0 85369 746 6 2. David M. Angaran, Karen Whalen, 2015. Medication Therapy Management: A Comprehensive Approach., 2 nd edition, ISBN: 978-0-07-184869-5 3. Cate Whittlesea & Karen Hodson, 2018, Clinical Pharmacy and Therapeutics, 6th Edition
2- Essential References.	
	1. Cipolle, RJ, Strand, LM, & Morley, PC, 2012. Pharmaceutical Care Practice: The Pa Centered Approach to Medication Management Services (3rd edition). ISBN-13: 0071756389 2. Robert S. Beardsley, Carole L. Kimberlin, William N. Tindall, 2011, Communication Ski Pharmacy Practice: A Practical Guide for Students and Practitioners.. SBN-13: 978-1608316
3- Electronic Materials and Web Sites etc.	
	- www.medlineplus.com (for patient counseling). - www.guidelines.gov (International guidelines)

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- www.drugs.com (for drug-drug interactions)
- www.pubmed.com (Clinical trials).

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

1	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.
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.

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Faculty of Clinical Pharmacy

Bachelor of Clinical Pharmacy

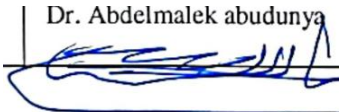
Course Specification of **Pharmacy Practice (1)**

Course No. (02.01.219)

2016/2017

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Dean of College:

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I. Information about Faculty Member Responsible for the Course:

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

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II. Course Identification and General Information:

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2	Course Code & Number:	02.01.219			
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			Lecture	Seminar	
		2	2		--
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5	Pre –Requisite (if any):	Pharmacology III			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy			
8	Language of Teaching the Course:	English			
11	Location of Teaching the Course:	Faculty of Clinical Pharmacy			
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IV. Course Intended Learning Outcomes (CILOs) :

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

A. K n o w l e d g e a n d U n d e r s t a n d i n g :		
a1	Define the Knowledge and skills required to practice as a clinical pharmacist in the specific patient setting.	A 3 , A 4 , A 5
a2	Identify the clinical Skills needed in patient-centered care and appropriate interventions.	A 6 , A 7
B.		

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In tel lec tu al Sk ill s:		
b1	Construct patient-centered interviews to obtain a complete medical and medication history and design pharmaceutical care plans for different patient conditions	B 5
b2	Recognize variations of normal findings during physical examination and lab data interpretation.	B 6
C. Pr of es sio na l an d Pr ac tic al Sk ill s:		
c1	Perform a physical examination on an adult patient, in an orderly, efficient manner and manage patients' medication and health needs as part of an interprofessional team.	C 3
c2	Participate in the education of patients and their caregivers/family, and other healthcare providers.	C 4
D. Tr an sfe		

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ra bl e Sk ill s:		
d1	Communicate effectively with patients and other healthcare professionals	D 1
d2	Efficiently search in the medical journal databases for updated professional medical information	D 2 , D 3

V. Course Contents:

A. Theoretical Aspect:

Order	Units/Topics List	Sub Topics List	Number of Weeks	contact hours
1	Introduction to Clinical Pharmacy Practice	- Definitions - Role of Clinical Pharmacist	1	2
2	Clinical Skills Needed in Patient-Centered Care Setting	- Physical Examination & Vital Signs Evaluations	1	2
		- Clinical Lab Data (Tests) Interpretations	3	6
		- Special Diagnostic Tests	2	4
3	Midterm Exam		1	2
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5	Benefit: Risk Assessment (BRA)	- Benefit-risk ratios in the assessment of the clinical evidence: with Examples for Clinical Cases	1	2
6	Pharmacotherapy for Specialized Population	- Pregnant Women	1	2
		- Lactating Women	1	2
		- Pediatric	1	2
		- Geriatric	1	2
		- Liver & CKD	1	2
7	Final Exam		1	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching Strategies of the Course:

- Lectures
- Assignment
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- Exam
- Quiz

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