

REPUBLIC OF YEMEN

21 September UMAS
Development Academic Center
& Quality Assurance



الجمهورية اليمنية
جامعة 21 سبتمبر
العلوم الطبية والتطبيقية
مركز التطوير الأكاديمي وضمان الجودة

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 **Community Pharmacy**

Course No. (02.01.216)

2022



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

Prepared by:

Reviewed by:

Head of the Department:

Quality Assurance head

Dean:

Dr. Ali Alyahawi

Dr. Ali Alkaf

Dr. Abdulelah Thabet

Dr. Ali Alyahawi

I. General Information:

1.	Course Title:	Community Pharmacy			
2.	Course Code:	02.01.216			
3.	Credit Hours:	Total Credit Hours	Theory Contact Hours		Practical Contact Hours
			Lecture	Tutorial/Seminar	Lab Clinical
		2	2	--	--
4.	Level/ Semester at which this Course is offered:	4 th Level 4 / 2 nd Semester			
5.	Pre –Requisite (if any):	Pharmacology III			
6.	Co –Requisite (if any):	Pharmacology-IV			
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:	Dr. Ali Alyahawi			
11	Date and Number of Approval by Council:	2022			

II. Course Description:

This course is designed to provide effective and appropriate patient-centered pharmaceutical care in the community pharmacy setting.

Prepared by:

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Reviewed by:

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Quality Assurance head

Dr. Abdulelah Thabet

Dean:

Dr. Ali Alyahawi

III. Course Intended Learning Outcomes (CILOs): Upon successful completion of the course, students will be able to:		Reference d PILOs
A. Knowledge and Understanding:		PILOs
a1	State the basic pharmacy concepts including dispensing system, safety management, operational knowledge, and leadership qualities as a practice manager in the community pharmacy setting.	A1, A3
a2	Define the signs and symptoms of conditions frequently encountered in a community pharmacy and different dosage forms and medications used and available in Yemen market.	A2, A4, A5
B. Intellectual Skills:		
b1	Construct a systematic approach and formal MTM process including comprehensive medication reviews (CMR) and targeted interventions to ensure good dispensing practice and demonstrate good pharmacy management skills in a community pharmacy setting.	B4, B5
C. Professional and Practical Skills:		
c1	Perform efficiently and effectively responsibilities and task in a community pharmacy setting using technology techniques.	C1, C5
D. Transferable Skills:		
d1	Utilize appropriate education and communication strategies for a diverse patient population.	D1
d2	Display self-awareness, self-improvement, and time management	D2

(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 State the basic community pharmacy concepts including dispensing system, safety management, operational knowledge, and leadership qualities as a practice manager in the community pharmacy setting.	- Lecture - Practice in community pharmacy - Self-learning - Interactive Cases discussion - Discussion with community pharmacist and faculty supervisor	- Exam - Quiz - Assignment

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a2	Define the signs and symptoms of conditions frequently encountered in a community pharmacy and different dosage forms and medications used and available in Yemen market.	- Lecture - Practice in community pharmacy - Self-learning - Interactive Cases discussion - Discussion with community pharmacist and faculty supervisor	Exam Quiz Assignment
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(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
b1	Construct a systematic approach and formal MTM process including comprehensive medication reviews (CMR) and targeted interventions to ensure good dispensing practice and demonstrate good pharmacy management skills in a community pharmacy setting.	- Lecture - Practice in community pharmacy - Training manual - Self-learning - Interactive Cases discussion - Discussion with community pharmacist and faculty supervisor	- Exam - Quiz - Assignment

(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	Perform efficiently and effectively responsibilities and task in a community pharmacy setting using technology techniques.	- Lecture - Practice in community pharmacy - Training manual - Self-learning - Interactive Cases discussion	Exam Quiz Assignment

(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
d1	Effectively use education and communication strategies for a diverse patient population.	- Lecture - Practice in community pharmacy - Training manual - Self-learning	Oral Presentation
d2	Display self-awareness, self-improvement, and time management	- Interactive discussion - Seminar	Oral Presentation

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Dean:

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IV. Course Contents:**A. Theoretical Aspect:**

	Units No /Topics List	Sub Topics List	No. of Weeks	Contact Hours
1	Community Pharmacy Overview	- Community pharmacy concepts - The responsibilities of community pharmacist and his relationship with the other health care professionals and the patients. - Health informatics use in a community pharmacy setting	2	4
2	OTC Medications for Respiratory system	- Symptom & Diagnosis: • Cough, Common cold, Sore throat, and Rhinitis - OTC Products for treatment	2	4
3	OTC Medications for Ear condition	- Symptom & Diagnosis: • Ear wax impaction and Otitis externa. - OTC Products for treatment	1	2
4	OTC Medications for the central nervous system	- Symptom & Diagnosis: • Headache, Insomnia, Nausea and vomiting. - OTC Products for treatment	2	4
5	Med Exam		1	2
6	OTC Medications for Women's health	- Symptom & Diagnosis: • Cystitis, primary dysmenorrhea, vaginal discharge, premenstrual syndrome and heavy menstrual bleeding - OTC Products used	2	4
7	OTC Medications for Hemorrhoids	- Symptom, diagnosis - OTC Products for minor hemorrhoids	1	2
8	OTC Medications for Skin Conditions	- Athlete's foot Symptom & Diagnosis - OTC Products for treatment	1	2
9	OTC Medications for	- Nappy rash Symptom & Diagnosis	1	2

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	Units No /Topics List	Sub Topics List	No. of Weeks	Contact Hours
	Nappy rash	- OTC Products For nappy rash.		
10	OTC Medications for Candidiasis	- Candidiasis Symptom & Diagnosis - OTC For Candidiasis	1	2
11	OTC Medications for Psoriasis	- Psoriasis Symptom & Diagnosis - OTC Products for Psoriasis	1	2
13	Final Term Exam		16	2
Number of Weeks /and Units Per Semester			16	32

B. Practical Aspect (Lab/Clinical) (if any):

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

VI. Teaching Strategies of the Course:

خطأ! لم يتم العثور على مصدر المرجع.

VII. Assessment Methods of the Course:

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VII. Assignments:

No.	Assignments	Aligned CILOs (symbols)	Week Due	Mark
1	Assignment 1: Describe the equipment used in pharmacy store	a 1, a2, b1, c1, d1	2 nd	2.5
2	Assignment 2: Which information must be included in the prescription	a 1, a2, b1, c1, d1	6 th	2.5
3	Assignment 3: Discuss points should be considered from pharmacist when prescription or non-prescription (OTC) medicines are described to the patients.	a 1, a2, b1, c1, d1	8 th	2.5
4	Assignment 4: Describe extemporaneous compounding practice by pharmacists with examples	a 1, a2, b1, c1, d1	12 th	2.5
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 2-12	10	10 %	a 1, a2, b1, c1, d1
2	Midterm Exam (Theory)	Week 8	20	20 %	a 1, a2, b1, c1
3	Adherence to Professional Attitudes	Course Training Period	5	5 %	d1, d2
4	Skills Acquired during Training	Course Training Period	10	10 %	b1, c1, d1, d2
5	Final Exam (Theory)	Week 16	30	30 %	a 1, a2, b1, c1
6	Final Practical Written Exam	Last Week of Training	25	25 %	a 1, a2, b1, c1
Total			100	100%	

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IX. Learning Resources:**1- Required Textbook(s):**

1. Clinical Pharmacy and Therapeutics, ed. Walker & Whittlesea, 6th edition, 2018.
2. Basic & Clinical Pharmacology, ed. Katzung, 14th edition, 2018.

2- Essential References.

1. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition), Cipolle, RJ, Strand, LM, & Morley, PC, McGraw-Hill, 2012
2. Lexicomp, (2018). Drug Information Handbook, 27h edition
3. Pharmacy law and practice Fisher, Jonathan, 2006
4. Patient-Centered Pharmacology: Learning System for the Conscientious Prescriber , Tindall, W. N., Sedrak, M. M., & Boltri, J. M, 2013.

3- Electronic Materials and Web Sites etc.

1. www.accesspharmacy.com
2. Disease management guidelines.

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.

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Reviewed by:

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Dean:

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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.
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University of 21 September for Applied & Medical Sciences

Faculty of Clinical Pharmacy

Program of Bachelor of Clinical Pharmacy

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

Course Code. 02.01.216

2022/2023

Prepared by:

Dr. Ali Alyahawi

Reviewed by:

Dr. Ali Alkaf

Head of the Department:

Quality Assurance head

Dr. Abdulelah Thabet

Dean:

Dr. Ali Alyahawi

I. Information about Faculty Member Responsible for the Course:						
Name of Faculty Member:	Dr. Ali Alyahawi			Office Hours		
Location & Telephone No.:	00967775957401					
E-mail:	Alyahawipharm@yahoo.com			SAT	SUN	MON TUE WED THU

II. Course Identification and General Information:					
	Course Title:	Community Pharmacy			
	Course Code:	02.01.216			
	Credit Hours:	Total Credit Hours	Theory Contact Hours		Practical Contact Hours
			Lecture	Tutorial/Seminar	Lab
			2	2	--
	Level/ Semester at which this Course is offered:	4th Level 4 / 2nd Semester			
	Pre –Requisite (if any):	Pharmacology III			
	Co –Requisite (if any):	Pharmacology-IV			
	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy, Pharm.D.			
	Language of Teaching the Course:	English			
	Location of Teaching the Course:	Faculty of Clinical Pharmacy			
	Prepared by:	Dr. Ali Alyahawi			
11	Date and Number of Approval by Council:	2022			

Prepared by: Dr. Ali Alyahawi Reviewed by: Dr. Ali Alkaf Head of the Department: Dr. Abdulelah Thabet Quality Assurance head: Dr. Ali Alyahawi Dean: Dr. Ali Alyahawi

III. Course Description:

This course is designed to provide effective and appropriate patient-centered pharmaceutical care in the community pharmacy setting.

IV. Course Intended Learning Outcomes (CILOs) :

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

	A. Knowledge and Understanding:
a1	State the basic pharmacy concepts including dispensing system, safety management, operational knowledge, and leadership qualities as a practice manager in the community pharmacy setting.
a2	Define the signs and symptoms of conditions frequently encountered in a community pharmacy and different dosage forms and medications used and available in Yemen market.
B. Intellectual Skills:	
b1	Construct a systematic approach and formal MTM process including comprehensive medication reviews (CMR) and targeted interventions to ensure good dispensing practice and demonstrate good pharmacy management skills in a community pharmacy setting.
C. Professional and Practical	

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Skills:	
c1	Perform efficiently and effectively responsibilities and task in a community pharmacy setting using technology techniques.
D. Transferable Skills:	
d1	Utilize appropriate education and communication strategies for a diverse patient population.
d2	Display self-awareness, self-improvement, and time management

V. Course Contents:**A. Theoretical Aspect:**

	Units No /Topics List	Sub Topics List	No. of Weeks	Contact Hours
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3	OTC Medications for Ear condition	- Symptom & Diagnosis: • Ear wax impaction and Otitis externa. - OTC Products for treatment	1	2
4	OTC Medications for the central nervous system	- Symptom & Diagnosis: • Headache, Insomnia, Nausea and vomiting. - OTC Products for treatment	2	4
5	Med Exam		1	2
6	OTC Medications for Women's health	- Symptom & Diagnosis: • Cystitis, primary dysmenorrhea, vaginal discharge, premenstrual syndrome and heavy menstrual bleeding - OTC Products used	2	4
7	OTC Medications for Hemorrhoids	- Symptom, diagnosis - OTC Products for minor hemorrhoids	1	2
8	OTC Medications for Skin Conditions	- Athlete's foot Symptom & Diagnosis - OTC Products for treatment	1	2
9	OTC Medications for	- Nappy rash Symptom & Diagnosis	1	2

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No.	Units No /Topics List	Sub Topics List	No. of Weeks	Contact Hours
	Nappy rash	- OTC Products For nappy rash.		
10	OTC Medications for Candidiasis	- Candidiasis Symptom & Diagnosis - OTC For Candidiasis	1	2
11	OTC Medications for Psoriasis	- Psoriasis Symptom & Diagnosis - OTC Products for Psoriasis	1	2
13	Final Term Exam		16	2
Number of Weeks /and Units Per Semester			16	32

B Practical Aspect:

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

C. Tutorial Aspect:

خطأ! لم يتم العثور على مصدر المرجع.

VI. Teaching Strategies of the Course:

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VII. Assessment Methods of the Course:

خطأ! لم يتم العثور على مصدر المرجع.

VIII. Assignments:

No.	Assignments	Aligned CILOs (symbols)	Week Due
1	Assignment 1: Describe the equipment used in pharmacy store	a 1, a2, b1, c1, d1	2nd
2	Assignment 2: Which information must be included in the prescription	a 1, a2, b1, c1, d1	6th
3	Assignment 3: Discuss points should be considered from pharmacist when prescription or non-prescription (OTC) medicines	a 1, a2, b1, c1, d1	8th

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No.	Assignments	Aligned CILOs (symbols)	Week Due
	are described to the patients.		
4	Assignment 4: Describe extemporaneous compounding practice by pharmacists with examples	a 1, a2, b1, c1, d1	12th
Total			

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

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
1	Assignments	Week 2-12	10	10 %
2	Midterm Exam (Theory)	Week 8	20	20 %
3	Adherence to Professional Attitudes	Course Training Period	5	5 %
4	Skills Acquired during Training	Course Training Period	10	10 %
5	Final Exam (Theory)	Week 16	30	30 %
6	Final Practical Written Exam	Last Week of Training	25	25 %
Total			100	100%

No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
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4	Skills Acquired during Training	Course Training Period	10	10 %
5	Final Exam (Theory)	Week 16	30	30 %
6	Final Practical Written Exam	Last Week of	25	25 %

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No.	Assessment Method	Week Due	Mark	Proportion of Final Assessment
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