

Republic of Yemen  
Ministry of Higher Education & Scientific  
Research  
Emirates International University  
Faculty of Medicine and Health Sciences  
Department of Clinical Pharmacy –  
Pharm D program



الجمهورية اليمنية  
وزارة التعليم العالي والبحث العلمي  
الجامعة الامارتية الدولية  
كلية الطب والعلوم الصحية  
قسم الصيدلة السريرية  
برنامج دكتور صيدلي

## ملحق رقم (3-أ، ب) توصيف مقررات التدريب الميداني



Republic of Yemen

Ministry of Higher Education & Information Technology

Emirates International University



**Faculty of Medicine and Health Sciences**

Department of Clinical Pharmacy

Bachelor of Pharm D

**Course Specification of Community Pharmacy Training- II**

**Course No. (CPT 4016)**

Prepared by:

Dr. Ali Alyahawi

Reviewed by:

Dr. Mogeab Al-namri

Head of the Department:

Quality Assurance head

Dean:



<b>I. Course Identification and General Information:</b>					
1	<b>Course Title:</b>	Course Specification of Community Pharmacy Training- II			
2	<b>Course Code &amp; Number:</b>	CPT 4016			
3	<b>Credit Hours:</b>	<b>Credit Hours</b>	<b>Theory Hours</b>		<b>Training Hours</b>
			<b>Lecture</b>	<b>Exercise</b>	
		2		--	432
4	<b>Study Level/ Semester at which this Course is offered:</b>	4th Professional Year - Summer Semester			
5	<b>Pre –Requisite (if any):</b>	Pharmacology III			
6	<b>Co –Requisite (if any):</b>	None			
7	<b>Program (s) in which the Course is Offered:</b>	Bachelor of Pharm D			
8	<b>Language of Teaching the Course:</b>	English			
9	<b>Study System:</b>	Semester based System			
10	<b>Mode of Delivery:</b>	Full Time			
11	<b>Location of Teaching the Course:</b>	Faculty of Medicine and Health Sciences			
12	<b>Prepared by:</b>	Dr. Ali Alyahawi			
13	<b>Date of Approval:</b>				



## II. Course Description:

This course is designed to provide effective and appropriate patient-centered pharmaceutical care in the community pharmacy setting. Each student should finish 432 training hours in this training rotation. Students provide patient education, prescription and OTC recommendations, customer service, and interact with pharmacists, pharmacy staff, and health care professionals. Pharmacy settings may include independent, chain and institutional community sites. The training in community pharmacy will provide students with advanced expertise in accessing, evaluating, and applying information to promote optimal patient care to a diverse population, while enhancing their pharmacy practice and managerial skills to become effective pharmacists in this setting.

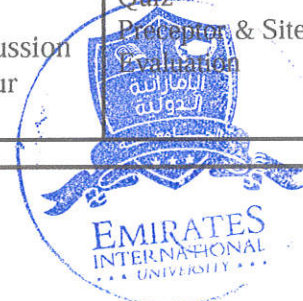
III. Course Intended Learning Outcomes (CILOs): ( <b>maximum 8</b> ) Upon successful completion of the course, students will be able to:		Referenced PILOs Learning out of program	
<b>A. Knowledge and Understanding:</b>		I, A or E	
a1	Identify the proficiency in prescription processing and medication dispensing procedures. proficiency in processing prescriptions	I	A2
a2	Discuss the roles and responsibilities of a pharmacist in a community pharmacy setting.	I	A2
<b>B. Intellectual Skills:</b>			
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.	A	B3 B7, B8
<b>C. Professional and Practical Skills:</b>			
c1	Professionally handle prescriptions medications & counsel patients about the disease, prescription and non-prescription medicines.	A	



c2	Perform drug packaging, labeling, and effectively use information technology in various pharmacy practice settings	A	C5 C7
<b>D. Transferable Skills:</b>			
d1	Effectively use education and communication strategies for a diverse patient population.	E	D1
d2	Display self-awareness, self-improvement, and time management	E	D4

<b>(a) Alignment Course Intended Learning Outcomes of Knowledge and Understanding to Teaching Strategies and Assessment Strategies:</b>		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a1- Identify the proficiency in prescription processing and medication dispensing procedures. proficiency in processing prescriptions	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> <li>- Office hour</li> <li>- Manuals</li> <li>- Self-learning</li> </ul>	Exam Assignment Quiz Preceptor & Site Evaluation
a2. Discuss the roles and responsibilities of a pharmacist in a community pharmacy setting.	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> <li>- Office hour</li> <li>- Manuals</li> <li>- Self-learning</li> </ul>	Exam Assignment Quiz Preceptor & Site Evaluation

<b>(b) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:</b>		
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.	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> <li>- Office hour</li> <li>- Manuals</li> </ul>	Exam Assignment Quiz Preceptor & Site Evaluation



	- Self-learning	
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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
<b>C1-</b> Professionally handle prescriptions and medications & counsel patients about the disease, prescription and non-prescription medicines.	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> <li>- Office hour</li> <li>- Manuals</li> <li>- Self-learning</li> </ul>	Exam Assignment Quiz Preceptor & Site Evaluation
<b>C2-</b> Perform drug packaging, labeling, and effectively use information technology in various pharmacy practice settings	<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> <li>- Office hour</li> <li>- Manuals</li> <li>- Self-learning</li> </ul>	Exam Assignment Quiz Preceptor & Site Evaluation

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

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
<b>d1-</b> Effectively use education and communication strategies for a diverse patient population.	<ul style="list-style-type: none"> <li>- Seminars</li> <li>- Case discussion</li> </ul>	<ul style="list-style-type: none"> <li>- Preceptor &amp; Site Evaluation</li> <li>- Oral Presentation</li> </ul>
<b>d2-</b> Display self-awareness, self-improvement, and time management	<ul style="list-style-type: none"> <li>- Seminars</li> <li>- Case discussion</li> </ul>	<ul style="list-style-type: none"> <li>- Preceptor &amp; Site Evaluation</li> <li>- Oral Presentation</li> </ul>

**II. Course Content:**

**A – Theoretical Aspect:**

Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	Contact hours



1			-		
2			-		
			-		
	Midterm Exam				
3			-		
4			-		
5			-		
6	Final exam			1	2
Number of Weeks /and Units Per Semester					

<b>B. Case Studies and Practical Aspect:</b>				
No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	<ul style="list-style-type: none"> <li>- Professional responsibilities of community pharmacists</li> <li>- Introduction to the concept of Good Pharmacy Practice and SOPs.</li> </ul>	1	2	a 1, a2
1	<ul style="list-style-type: none"> <li>- Reconstituting Powders</li> </ul>	Week 1-12	Through the Community pharmacy practice	a 1, a2, b1, c1, c2, d1, d2
2	<ul style="list-style-type: none"> <li>- Extemporaneous Compounding</li> </ul>	Week 1-12	Through the community pharmacy practice	a 1, a2, b1, c1, c2, d1, d2
3	<ul style="list-style-type: none"> <li>- <b>OTC Labeling &amp; Therapy:</b> <ul style="list-style-type: none"> <li>▪ External and internal analgesics</li> <li>▪ Antacids</li> <li>▪ Emetics, and antiemetics</li> <li>▪ Laxatives and antidiarrheals</li> <li>▪ Cold and allergy products</li> <li>▪ Otic, ophthalmic, nasal, rectal, and vaginal products</li> <li>▪ Vitamins and minerals</li> </ul> </li> </ul>	Week 1-12	Through the community pharmacy practice	a 1, a2, b1, c1, c2, d1, d2



No.	Tasks/ Experiments	Week Due	Contact Hours	Learning Outcomes (CILOs)
	<ul style="list-style-type: none"> <li>▪ Weight control products</li> <li>▪ Contraceptives</li> <li>▪ Seasonal products</li> </ul>			
4	- Health Screening & patient care services in Community Pharmacy	Week 1-12	Through the Community pharmacy practice	a 1, a2, b1, c1, c2, d1, d2
<b>Number of Weeks /and Units Per Semester</b>		<b>12</b>	<b>432 contact hrs.</b>	

<b>C. Tutorial Aspect: (ان وجدت)</b>				
No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	non			
2				
3				
4				
5				
6				
7				
8				
9				
10				
<b>Number of Weeks /and Units Per Semester</b>				

<b>V. Teaching Strategies of the Course:</b>
<ul style="list-style-type: none"> <li>- Assignment</li> <li>- Interactive discussion</li> <li>- Seminars</li> <li>- Case discussion</li> </ul>





- Office hour
- Self-learning

## VI. Assessment Methods of the Course:

- Assignments
- Exam
- Quiz
- Preceptor & Site Evaluation

## VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	<b>Assignment 1:</b> Describe Good Pharmacy Practice and SOPs	a 1, a2, b1, c1, c2, d1, d2	2th	2.5
2	<b>Assignment 2:</b> Examples of Extemporaneous Compounding	a 1, a2, b1, c1, c2, d1, d2	5th	2.5
3	<b>Assignment 3:</b> Write selected OTC Labeling & Therapy in Yemen	a 1, a2, b1, c1, c2, d1, d2	8th	2.5
4	<b>Assignment 4:</b> Write selected OTC Labeling & Therapy in Yemen	a 1, a2, b1, c1, c2, d1, d2	12th	2.5
<b>Total</b>				<b>10</b>

## 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	Assignment	Week 2,5,8,12	10	10%	a 1, a2, b1, c1, d2
2	Presentation for one of the course content topics.	Week 2-12	10	10%	a 1, a2, b1, c1, d1, d2
3	Quiz 1, 2, 3, 4	Week 6-12	20	20%	a 1, a2, b1, c1, d2
4	Final exam	Week 13	60	60%	a 1, a2, b1, c1, d2
<b>Total</b>			<b>100</b>	<b>100%</b>	



## IX. Learning Resources:

### 1- Required Textbook(s):

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

### 2- Essential References.

5. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services (3rd edition), Cipolle, RJ, Strand, LM, & Morley, PC, McGraw-Hill, 2012
6. Lexicomp, (2018). Drug Information Handbook, 27th edition
7. Pharmacy law and practice Fisher, Jonathan, 2006
8. 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.

5. [www.accesspharmacy.com](http://www.accesspharmacy.com)
6. Disease management guidelines.

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

1	<b>Class Attendance:</b> 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	<b>Tardiness:</b> A student will be considered late if he/she is not in class after 10 minutes of the start time of class.
3	<b>Exam Attendance/Punctuality:</b> 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	<b>Assignments &amp; Projects:</b> Assignments and projects must be submitted on time. Students who delay their assignments or projects shall lose the mark allocated for the same.
5	<b>Cheating:</b> 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	<b>Forgery and Impersonation:</b>



	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	<b>Other policies:</b> 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 Medicine and Health Sciences**

Department of Clinical Pharmacy

**Bachelor of Pharm D**

**Study plan of Community Pharmacy Training- II**

**Course No. ( CPT 4016)**



## I. Course Identification and General Information:

1	<b>Course Title:</b>	Course Specification of Community Pharmacy Training- II		
2	<b>Course Code &amp; Number:</b>	CPT 4016		
3	<b>Credit Hours:</b>	<b>Credit Hours</b>	<b>Theory Hours</b> Lecture      Exercise	<b>Training Hours</b>
		2	--	432
4	<b>Study Level/ Semester at which this Course is offered:</b>	4th Professional Year - Summer Semester		
5	<b>Pre –Requisite (if any):</b>	Pharmacology III		
6	<b>Co –Requisite (if any):</b>	None		
7	<b>Program (s) in which the Course is Offered:</b>	Bachelor of Pharm D		
8	<b>Language of Teaching the Course:</b>	English		
9	<b>Study System:</b>	Semester based System		
10	<b>Mode of Delivery:</b>	Full Time		
11	<b>Location of Teaching the Course:</b>	Faculty of Medicine and Health Sciences		
12	<b>Prepared by:</b>	Dr. Ali Alyahawi		
13	<b>Date of Approval:</b>			



## II. Course Description:

This course is designed to provide effective and appropriate patient-centered pharmaceutical care in the community pharmacy setting. Each student should finish 432 training hours in this training rotation. Students provide patient education, prescription and OTC recommendations, customer service, and interact with pharmacists, pharmacy staff, and health care professionals. Pharmacy settings may include independent, chain and institutional community sites. The training in community pharmacy will provide students with advanced expertise in accessing, evaluating, and applying information to promote optimal patient care to a diverse population, while enhancing their pharmacy practice and managerial skills to become effective pharmacists in this setting.

This course helps pharmacy students identify and understand the role of pharmacists in the community practice sites. In this experiential training program, students will spend most of their class and learning time (at least 360 hours) in the practice environment interacting and communicating with pharmacists, technicians, peers, other healthcare providers, and patients. Students will develop their skills to integrate their basic pharmaceutical and medical knowledge and apply it into patient care in the outpatient setting.

## IV. Course Intended Learning Outcomes (CILOs) :

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

	<b>A. Knowledge and Understanding:</b>
a1	Identify the proficiency in prescription processing and medication dispensing procedures. proficiency in processing prescriptions
a2	Discuss the roles and responsibilities of a pharmacist in a community pharmacy setting.
	<b>B. Intellectual Skills:</b>
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
	<b>C. Professional and Practical Skills:</b>
c1	Professionally handle prescriptions medications & counsel patients about the disease, prescription and non-prescription medicines.
c 2	Perform drug packaging, labeling, and effectively use information technology in various pharmacy practice settings



**D. Transferable Skills:**

d1	Effectively use education and communication strategies for a diverse patient population.
d2	Display self-awareness, self-improvement, and time management

**III. Course Content:****A – Theoretical Aspect:**

Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	Contact hours
1			-		
2			-		
			-		
3			-		
4			-		
5			-		
6					
<b>Number of Weeks /and Units Per Semester</b>					

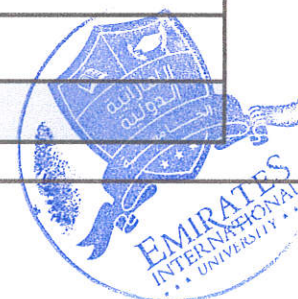
**B. Case Studies and Practical Aspect:**

No.	Tasks/ Experiments	Week Due	Contact Hours
	Professional responsibilities of community pharmacists Introduction to the concept of Good Pharmacy Practice and SOPs.	1	2
1	- Reconstituting Powders	Week 1-12	Through the Community pharmacy practice
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No.	Tasks/ Experiments	Week Due	Contact Hours
3	- OTC Labeling & Therapy: <ul style="list-style-type: none"> <li>▪ External and internal analgesics</li> <li>▪ Antacids</li> <li>▪ Emetics, and antiemetics</li> <li>▪ Laxatives and antidiarrheals</li> <li>▪ Cold and allergy products</li> <li>▪ Otic, ophthalmic, nasal, rectal, and vaginal products</li> <li>▪ Vitamins and minerals</li> <li>▪ Weight control products</li> <li>▪ Contraceptives</li> <li>▪ Seasonal products</li> </ul>	Week 1-12	Through the community pharmacy practice
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C. Tutorial Aspect: (ان وجدت)				
No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	None			
2				
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5				
6				
7				
8				
9				
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<b>Number of Weeks /and Units Per Semester</b>				





### V. Teaching Strategies of the Course:

- Assignment
- Interactive discussion
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### VI. Assessment Methods of the Course:

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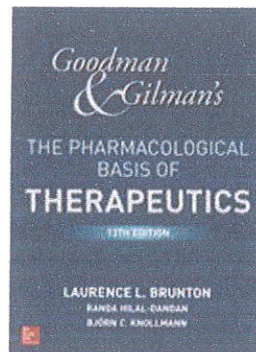


**The following resources may be used to help you in your report:**

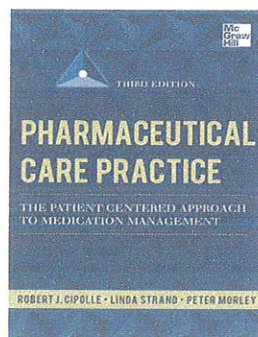
1. BNF 85 (British National Formulary) March 2023



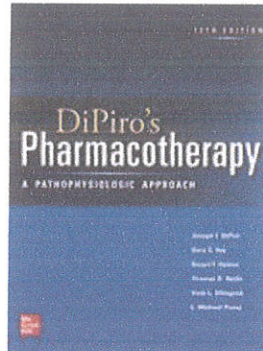
2. Goodman & Gilman's The Pharmacological Basis of Therapeutics, 13<sup>th</sup> edition, by: Laurence Brunton, John Lazo, Keith Parker. The McGraw-Hill Companies, Inc., 2018.



3. Pharmaceutical Care Practice: The Patient-Centered Approach to Medication Management Services, 3e by Robert J. Cipolle, Linda M. Strand, Peter C. Morley



4. Pharmacotherapy: A Pathophysiologic Approach, 12<sup>th</sup> edition, **by:** Joseph T. DiPiro, Gary C. Yee, Stuart T. Haines, Thomas D. Nolin, Vicki L. Ellingrod, L. Michael Posey. The McGraw-Hill Companies, Inc., 2023



5. Lexicomp Drug Information Handbook, March 20, 2023

