

Republic of Yemen

Ministry of Higher Education & Scientific Research

21 September University for Medicals and Applied Sciences



Faculty of Clinical Pharmacy

Bachelor of Pharm. D.

Course Specification of **Hospital Training: Ambulatory care**

Course No. (02.05.253)

2021/2022

Prepared by:	Reviewed by:	Head of the Department:	Vice Dean for Quality affairs	Dean of College:
Dr. Ali Alyahawi	Dr. Hassan Al Mahbashi	Dr. -----	Dr. Abdulelah Thabet	Dr. Ali Alyahawi

I. Course Identification and General Information:

1	Course Title:	Hospital Training: Ambulatory care			
2	Course Code & Number:	02.05.253			
3	Credit Hours:	Credit Hours	Theory Hours		Training contact Hours
			Lecture	Exercise	
3	Credit Hours:	3	--	--	96 hrs. (90 hrs. on-site a ward rotation + 6 hrs. a formal case presentation at the end of the rotation)
4	Study Level/ Semester at which this Course is offered:	6 th Level / 1 st Semester			
5	Pre –Requisite (if any):	Students must have successfully completed their basic curriculum of 5th Year.			
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 Clinical Pharmacy			
12	Prepared by:	Dr. Ali Alyahawi			
13	Date of Approval:	2022			

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II. Course Description:

The course aims to integrate student knowledge and skills as basic elements of medical care in ambulatory care practice setting such as internal medicine clinic, nephrology clinic, and GIT clinic. During the rotation, student will develop skills in the provision of pharmaceutical care including obtaining medication histories, assessing the appropriateness of medication regimens, counseling patients, monitoring therapies, and providing appropriate drug information to both patients and physicians.

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: Upon successful completion of the course, students will be able to:

a1	Define the roles and responsibilities of clinical pharmacist as active member in team-work of the ambulatory care practice.	A1, A5
a2	Describe the rational pharmacotherapy regimen of selected cases discussion related to internal medicine/nephrology/GIT at ambulatory care setting.	A1, A3, A4, A5

B. Intellectual Skills: Upon successful completion of the course, students will be able to:

b1	Design a rational pharmacotherapy regimen related to internal medicine/nephrology/GIT at ambulatory care setting.	B4, B5
b2	Develop monitoring plan and therapeutic endpoints for efficacious drug use at ambulatory care setting.	B2, B3, B4, B5

C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:

c1	Apply the principles of pharmacotherapy for selected cases discussion related to ambulatory care setting in real-time according to appropriate primary literature and updated guidelines.	C4
c2	Provide patient counseling and education related to medications & diseases	C3, C4, C5

D. Transferable Skills: Upon successful completion of the course, students will be able to:

d1	Communicate appropriately with other health professions using medical terminology.	D1, D2
d2	Display independent self-learning	D3

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(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	Define the roles and responsibilities of clinical pharmacist as active member in team-work of the ambulatory care practice.	- Clinical cases studies - Small practical session and discussion - Seminars - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics. ▪ Exam
a2	Describe the rational pharmacotherapy regimen of selected cases discussion related to internal medicine/nephrology/ GIT at ambulatory care setting.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. ▪ Exam
(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
b1	Design a rational pharmacotherapy regimen related to internal medicine/nephrology/GIT at ambulatory care	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice

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	setting.	- Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- manual - Formal case presentation - Presentation for one of the course content topics. ▪ Exam
b2	Develop monitoring plan and therapeutic endpoints for efficacious drug use at ambulatory care setting.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. ▪ Exam

(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	Apply the principles of pharmacotherapy for selected cases discussion related to ambulatory care setting in real-time according to appropriate primary literature and updated guidelines.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. ▪ Exam

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c2	Provide patient counseling and education related to medications & diseases	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. ▪ Exam
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(D) Alignment of Course Intended Learning Outcomes (Transferable Skills) to Teaching Strategies and Assessment Methods:

Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
d1	Communicate appropriately with other health professions using medical terminology.	- Clinical cases studies - Small practical session and discussion ▪ Seminars	- Oral case discussions during clinical rounds - Formal case presentation ▪ Presentation for one of the course content topics.
d2	Display independent self-learning	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state ▪ Self-learning	- Assignments - Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics. ▪ Exam

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IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	NA	—			
2	...	— ...			
Number of Weeks /and Units Per Semester					

B. Case Studies and Practical Aspect:

Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
1	- Internal Medicine Clinic: - Bone and joints diseases - Endocrine diseases - CVD - Respiratory Diseases	Week 1	30 hours	a 1, a2, b1, b2, c1, d1, d2
2	- Nephrology Clinic: Chronic Kidney Diseases	Week 2	30 hours	a 1, a2, b1, b2, c1, d1, d2
3	- GIT Clinic: - Peptic ulcer Disease - GERD - Irritable bowel syndrome - Inflammatory bowel diseases - Complications of Cirrhosis	Week 3	30 hours	a 1, a2, b1, b2, c1, d1, d2
Number of Weeks /and Units Per Semester		3 weeks	96 hrs. (90 hrs. on-site a ward rotation + 6 hrs. a formal case presentation at the end of the rotation)	

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C. Tutorial Aspect: (ان وجدت)

No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	NA			
2				
3				
4				
Number of Weeks /and Units Per Semester				

V. Teaching Strategies of the Course:

- Clinical cases studies
- Small practical session and discussion
- Seminars
- Manuals
- Use of advanced database search
- Collecting, interpreting, and integrating available information in disease state
- Self-learning

VI. Assessment Methods of the Course:

Assignments
Oral case discussions during clinical rounds
Pharmacy practice manual
Formal case presentation
Seminar.
Exam

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VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1: Updated ADA clinical practice guideline.	a 1, a2, b1, b2, c1, d1, d2	Week 1	10
2	Assignment 2: Updated ACCP clinical practice guideline for CAD.	a 1, a2, b1, b2, c1, d1, d2	Week 2	10
Total				20

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	Course Training Period	20	20 %	a 1, a2, b1, b2, c1, d1, d2
2	Adherence to Professional Attitudes	Course Training Period	10	10 %	d1, d2
3	Skills Acquired during Training	Course Training Period	20	20 %	b1, b2, c1, d1, d2
4	Formal Case Presentation	Last week of Rotation	10	10 %	a 1, a2, b1, b2, c1, d1, d2
5	General Written Examination	Last week of Rotation	40	40 %	a 1, a2, b1, b2, c1, d1
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).

- Chisholm-Burns et al, 2019 , Pharmacotherapy principles & practice. 5rd edition.
- Katzung, 2018, Basic & Clinical Pharmacology. 14th edition.

2- Essential References.

- DiPiro et al, 2020, Pharmacotherapy: A Pathophysiological Approach, 11th edition.
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	11th edition. 3. Walker & Whittlesea, 2018. Clinical Pharmacy and Therapeutics, 6 edition.
3- Electronic Materials and Web Sites etc.	
	- UpToDate - http://www.globalrph.com/ - Updated Clinical Practice Guidelines for selected course disorders

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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Bachelor of Pharm. D.

Course Specification of **Hospital Training: Ambulatory care**

Course No. (02.05.253)

2016/2017

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

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Seminar.
Exam

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	NA	—		
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Number of Weeks /and Units Per Semester				
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No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
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- Use of advanced database search
- Collecting, interpreting, and integrating available information in disease state
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Total			

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