

University of 21 September for Applied and Medical Sciences

Faculty of Clinical Pharmacy

Master Degree in Clinical Pharmacy

Course Specification of Hospital Training-II

Course No. (CPh204)

2021/2022



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

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I. Course Identification and General Information:

1	Course Title:	Hospital Training -II			
2	Course Code & Number:	CPh204			
3	Credit Hours:	Credit Hours	Theory Hours		Lab/Training Hours
			Lecture	Exercise	
		4	--	--	16
4	Study Level/ Semester at which this Course is offered:	- Level 2 / Semester 4			
5	Pre –Requisite (if any):	Hospital Training -I			
6	Co –Requisite (if any):	None			
7	Program (s) in which the Course is Offered:	Master Degree in Clinical Pharmacy			
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:				

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II. Course Description:

This hospital training course aims to integrate the students skills and knowledge of pharmacology, therapeutic and clinical courses in dealing with hospital real cases to identify and resolve different treatment related problems of different sub-specialties practiced over the rotation. Students will participate in medical ward rounds, case seminars & hospital education programs. Available rotations include respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.

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	Understand the role and responsibilities of a clinical pharmacist in identification and resolving different treatment related problems of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	A1, A2, A3
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B. Intellectual Skills:

b1	Identify drug-related problems through selected cases discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	B1, B2
b2	Design the appropriate pharmacotherapy treatment and monitoring plan through selected case discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	B1, B2

C. Professional and Practical Skills:

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c1	Apply the optimal pharmacotherapy regimen and monitoring parameters for selected cases of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	C1, C2,C3
D. Transferable Skills:		
d1	Search in the medical journal databases by browsing professional medical sites for Evidence-Based Medicine (EBM)	D2
d2	Communicate effectively with healthcare team and improve student skills of patient counseling.	D1

(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- Understand the role and responsibilities of a clinical pharmacist in identification and resolving different treatment related problems of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	<ul style="list-style-type: none"> - Clinical cases studies - Small practical session and discussion - Seminars - Manuals - Use of advanced database search - Individual supervision - Self-learning 	<ul style="list-style-type: none"> - 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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(b) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
<p>b1- Identify drug-related problems through selected cases discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.</p>	<ul style="list-style-type: none"> - Clinical cases studies - Small practical session and discussion - Seminars - Manuals - Use of advanced database search - Individual supervision - Self-learning 	<ul style="list-style-type: none"> - Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. - Exam
<p>b2- Design the appropriate pharmacotherapy treatment and monitoring plan through selected case discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.</p>	<ul style="list-style-type: none"> - Clinical cases studies - Small practical session and discussion - Seminars - Manuals - Use of advanced database search - Individual supervision 	<ul style="list-style-type: none"> - 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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	- Self-learning	
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© 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- Apply the optimal pharmacotherapy regimen and monitoring parameters for selected cases of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	<ul style="list-style-type: none"> - Clinical cases studies - Small practical session and discussion - Seminars - Manuals - Use of advanced database search - Individual supervision - Self-learning 	<ul style="list-style-type: none"> - Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. - Exam

(d) Alignment Course Intended Learning Outcomes of Transferable Skills to Teaching Strategies and Assessment Strategies:		
Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1- Improve student skills of data collection and interpretation from professional medical sites.	<ul style="list-style-type: none"> - Use of advanced database search - Self-learning 	<ul style="list-style-type: none"> - Assignments - Formal case presentation - Presentation for one of the course content topics.

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		- Exam
d2- Communicate effectively with healthcare team and improve student skills of patient counseling.	<ul style="list-style-type: none"> - Small practical session and discussion - Seminars 	<ul style="list-style-type: none"> - Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics.

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1		<ul style="list-style-type: none"> - ... - ... - ... - ... 			
2	1- ...	- ...			
3	2- ...	- ...			
4	3- ...	- ...			
5	4- ...	- ...			
6	5-				
7	6- ...	- ...			
8	7- ...	- ...			

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No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
9	8- ...	- ...			
10	9- ...	- ...			
11	10- ...	- ...			
12	11- Final Theoretical Exam				
Number of Weeks /and Units Per Semester					

B. Case Studies and Practical Aspect:				
Order	Units/Topics List	Number of Weeks	Contact Hours	Learning Outcomes
1	Respiratory	Week 1-2	Course Training Period	a 1, b1, b2, c1, d1, d2
2	Rheumatology	Week 3-4	Course Training Period	a 1, b1, b2, c1, d1, d2
3	Endocrine	Week 5-6	Course Training Period	a 1, b1, b2, c1, d1, d2
4	Infectious Diseases	Week 7	Course Training Period	a 1, b1, b2, c1, d1, d2
5	Midterm Exam	Week 8	Course Training Period	a 1, b1, b2, c1, d1
6	Infectious Diseases	Week 9	Course Training Period	a 1, b1, b2, c1, d1, d2
7	Surgery	Week 10-11	Course Training Period	a 1, b1, b2, c1, d1, d2
8	Pediatrics	Week 12-13	Course Training Period	a 1, b1, b2, c1, d1, d2
9	Gynecology/Obstetrics.	Week 14-15	Course Training Period	a 1, b1, b2, c1, d1, d2
10	Final Exam	Week 16	Course Training Period	a 1, b1, b2, c1, d1
Number of Weeks /and Units Per Semester: 14 Weeks			252 hours	

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V. Teaching Strategies of the Course:

- Clinical cases studies
- Small practical session and discussion
- Seminars
- Manuals
- Use of advanced database search
- Individual supervision
- 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
Exam

VII. Assignments:

No	Assignments	Aligned CILOS(symbols)	Week Due	Mark
1	Assignment 1: Develop a pharmaceutical care plan for selected case of diabetes type 2 according to appropriate primary literature and updated guidelines.	a 1, b1, b2, c1, d1, d2	Week 3	5
2	Assignment 2: Develop a pharmaceutical care plan for selected case of ischemic heart	a 1, b1, b2, c1,	Week 6	5

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disease according to appropriate primary literature and updated guidelines.	d1, d2		
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	Course Training Period	10	10%	a 1, b1, b2, c1, d1, d2
2	Pharmacy practice manual	Course Training Period	10	10%	a 1, b1, b2, c1, d1, d2
3	Midterm Exam	Week 8	20	20%	
4	Formal case presentation	Course Training Period	10	10%	a 1, b1, b2, c1, d1, d2
5	Final exam	Week 16	40	40%	a 1, b1, b2, c1, d1
Total			100	100%	

IX. Learning Resources:	
1- Required Textbook(s) (maximum two).	
	1. Chisholm-Burns et al, 2019 , Pharmacotherapy principles & practice. 5rd edition. 2. Katzung, 2018, Basic & Clinical Pharmacology. 14th edition.
2- Essential References.	
	1. DiPiro et al, 2020, Pharmacotherapy: A Pathophysiological Approach, 11th edition. 2. Caroline S. Zeind and Michael G. Carvalho, 2018, Applied Therapeutics: The Clinical Use of Drugs, 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))

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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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Master Degree in Clinical Pharmacy

Course Specification of Hospital Training -II

Course No. (CPh204)

2021/2022

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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.:	775957401							
E-mail:	alyahawipharm@yahoo.com		SAT	SUN	MON	TUE	WED	THU

II. Course Identification and General Information:

1	Course Title:	Hospital Training -II				
2	Course Code & Number:	CPh204				
3	Credit Hours:	Credit Hours	Theory Hours		Lab/Training Hours	
			Lecture	Exercise		
		4	--	--	16	
4	Study Level/ Semester at which this Course is offered:	- Level 2 / Semester 4				
5	Pre –Requisite (if any):	Hospital Training -I				
6	Co –Requisite (if any):	None				
7	Program (s) in which the Course is Offered:	Master Degree in Clinical Pharmacy				
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:					

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III. Course Description:

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IV. Course Intended Learning Outcomes (CILOs) :

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

A. Knowledge and Understanding:

a1	Understand the role and responsibilities of a clinical pharmacist in identification and resolving different treatment related problems of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.
B. Intellectual Skills:	
b1	Identify drug-related problems through selected cases discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.
b2	Design the appropriate pharmacotherapy treatment and monitoring plan through selected case discussion of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.

C. Professional and Practical Skills:

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c1	Apply the optimal pharmacotherapy regimen and monitoring parameters for selected cases of respiratory, rheumatology, endocrine, infectious diseases, surgery, pediatrics, gynecology/obstetrics.	
D. Transferable Skills:		
d1	Search in the medical journal databases by browsing professional medical sites for Evidence-Based Medicine (EBM)	
d2	Communicate effectively with healthcare team and improve student skills of patient counseling.	

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1		... - ... - ... - ...		
2		
3		
4		
5		
6				
7		
8		
9		

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No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
10		
11		
12	Final Theoretical Exam			
Number of Weeks /and Units Per Semester				

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1		... - ... - ... - ...		
2		
3		
4		
5		
6				
7		
8		
9		
10		
11		

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No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
12	Final Theoretical Exam			
Number of Weeks /and Units Per Semester				

B. Case Studies and Practical Aspect:

C. Tutorial Aspect:

VI. Teaching Strategies of the Course:

- Clinical cases studies
- Small practical session and discussion
- Seminars
- Manuals
- Use of advanced database search

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- Individual supervision
- Collecting, interpreting, and integrating available information in disease state
- Self-learning

VII. Assessment Methods of the Course:

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

VIII. Assignments:

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

X. Learning Resources:

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

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

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

2- Essential References.

- 1- DiPiro et al, 2020, Pharmacotherapy: A Pathophysiological Approach, 11th edition.
- 2- Caroline S. Zeind and Michael G. Carvalho, 2018, Applied Therapeutics: The Clinical Use of Drugs, 11th edition
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3- Electronic Materials and Web Sites etc.

- UpToDate
- <http://www.globalrph.com/>
- Updated Clinical Practice Guidelines for selected course disorders

XI. Course Policies: (Based on the Uniform Students' Bylaw (2007))

	Class Attendance:
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	Tardiness:
2	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:
3	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.
	Assignments & Projects:
4	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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5	<p>Cheating:</p> <p>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.</p>
6	<p>Forgery and Impersonation:</p> <p>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.</p>
7	<p>Other policies:</p> <p>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.</p>