

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 Pharmacotherapy-I

Course No. (02.01.212)

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:	Pharmacotherapy-I			
2	Course Code & Number:	02.01.212			
3	Credit Hours:	Credit Hours	Theory Hours		Practical
			Lecture	Exercise	
		2	2	--	-
4	Study Level/ Semester at which this Course is offered:	4 Level / 1 Semester			
5	Pre –Requisite (if any):	Pharmacology-III			
6	Co –Requisite (if any):	-			
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:				

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II. Course Description:

The course content aims to understand the pathophysiology, clinical manifestations, complications, goals of therapy of cardiovascular and infectious diseases. The pharmacotherapy course is supportive course for pharmacy practice and integrated cases I course and is complementary to pathophysiology and pharmacology courses.

III. Course Intended Learning Outcomes (CILOs) :

Referenced PILOs
Learning out of program

A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:

a1	Discuss the pathophysiology, clinical presentation and prognosis of cardiovascular and infectious diseases.	A1
a2	Describe the goals of therapy for cardiovascular and infectious diseases	A5

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

b1	Design properly the drugs regimens and monitoring plans of cardiovascular and infectious diseases.	, B4, B5
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C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:

c1	Apply properly drugs regimens and monitoring parameters to achieve targeted therapeutic outcomes of cardiovascular and infectious diseases	C3, C4
c2	Provide a correct information to the health care team regarding therapeutic goals and rational drugs selection.	C3, C4

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

d1	Search efficiently for required medical information in professional medical references and sites.	D2, D3.
d2	Communicate effectively and ethically with a healthcare team and patients	D1

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(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- Discuss the pathophysiology, clinical presentation and prognosis of cardiovascular and infectious diseases.	Lecture Instructor – student Interactive Office hour	Exam Assignment Quiz
a2- Describe the goals of therapy for cardiovascular and infectious diseases	Lecture Instructor – student Interactive Office hour	Exam Assignment Quiz

(B) Alignment Course Intended Learning Outcomes of Intellectual Skills to Teaching Strategies and Assessment Strategies:

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
b1- Design properly the drugs regimens and monitoring plans of cardiovascular and infectious diseases.	Lecture Instructor – student Interactive Exercises Solving Problem Methods	Problem-Solving Exercises. Assignment Quiz

(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- Apply properly drugs regimen and monitoring parameters to achieve targeted therapeutic outcomes of cardiovascular and infectious diseases	Lecture Instructor – student Interactive Self-Learning	Exam Assignment Quiz
C2- Provide a correct information to the health care team regarding therapeutic goals and rational drugs selection.	Lecture Instructor – student Interactive Self-Learning	Exam Assignment Quiz

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

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
d1- Search efficiently for required medical information in	Self-Learning	Presentation

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A – Theoretical Aspect:

C. Tutorial Aspect: (ان وجدت)

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V. Teaching Strategies of the Course:

Lecture
Instructor – student Interactive
Exercises
Presentation
Office hours
Seminar
Assignment
Self-Learning

VI. Assessment Methods of the Course:

Assignments
Quiz
Exam

VII. Assignments:

No	Assignments	Aligned CILOs(symbols)	Week Due	Mark
1	Assignment 1: Each student presents selected case in selected topic under study	a 1, a2, b1, c1, c2, d1, d2	6th	5
2	Assignment 2: Each students group present updated guideline on selected topic under study	a 1, a2, b1, c1,c2, d1, d2	12th	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	3 rd , 12 th	10	10%	a 1, a2, b1, c1, c2, d1
2	Quiz	2 nd -13 th	5	5%	a 1, a 2, b1,c1, c2
3	Midterm Exam (Theory)	Week 7	20	20%	a 1, a2, b1, c1, c2, d1
4	Quiz	14 th	5	5%	a1, a2, c1, c2
5	Final Exam (Theory)	Week 16	60	60%	a 1, a2, b1, c1, c2, d1
Total			100	100%	

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IX. 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. ed. , 5th edition
- 2- Katzung, 2018. Basic & Clinical Pharmacology, ed., 14th edition.

2- Essential References.

- 1 -DiPiro et al, 11th edition, 2020. Pharmacotherapy: A Pathophysiological Approach, ed. edition.
2. Carolin, 2018. Applied Therapeutics: The Clinical Use of Drugs, 11th edition.
3. Walker & Whittlesea, 6th edition, 2018. Clinical Pharmacy and Therapeutics, ed. Walker & Whittlesea, 6th edition, 2018.

3- Electronic Materials and Web Sites etc.

- 1 -www.accesspharmacy.com
- 2 -Disease management guidelines (specified in lecture notes)

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

Class Attendance:

- 1 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.

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.

Cheating:

- 5 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

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	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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Course Plan (Syllabus) of Pharmacotherapy-I

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A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:

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| b1 | Design properly the drugs regimens and monitoring plans of cardiovascular and infectious diseases. |
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| c1 | Apply properly drugs regimens and monitoring parameters to achieve targeted therapeutic outcomes of cardiovascular and infectious diseases |
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V. Course Contents:

A. Theoretical Aspect:

Order	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	CVD	- Hypertension (HTN)	1	2
		- Heart Failure (HF)	1	2
		- Ischemic Heart Diseases (IHD)	2	4
		- Dyslipidemias	1	2
		- Venous Thromboembolism (VTE)	1	2
		- Stroke	1	2
2	Midterm Exam		1	2
3	CVD	- Cardiac Arrhythmias	1	2
4	Infectious Diseases	- Lower Respiratory Tract Infection - Upper Respiratory Tract Infection	2	4
		- Urinary Tract Infection	1	2
		- Antimicrobial Prophylaxis in Surgery	1	2
		- CNS infections	2	2
5	Final Exam		1	2
Number of Weeks /and Units Per Semester			16	32

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خطأ! لم يتم العثور على مصدر المرجع.

VI. Teaching Strategies of the Course:

Lecture
Instructor – student Interactive
Exercises
Presentation
Office hours
Seminar
Assignment
Self-Learning

VII. Assessment Methods of the Course:

Assignments
Quiz
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