

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 **Pharmacotherapy-IV**

Course No. (02.01.220)

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-IV			
2	Course Code & Number:	02.01.220			
3	Credit Hours:	Credit Hours	Theory Hours		Lab. Hours
			Lecture	Exercise	
		2	2	--	-
4	Study Level/ Semester at which this Course is offered:	Level 5/ Semester 2			
5	Pre –Requisite (if any):	Pharmacology IV			
6	Co –Requisite (if any):	Cases Studies of Therapeutics (4): “case-based seminars”			
7	Program (s) in which the Course is Offered:	Bachelor of Clinical Pharmacy & 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 Medical Sciences			
12	Prepared by:	Dr. Ali Alyahawi			
13	Date of Approval:				

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Dr. Ali Alyahawi	Dr. Hassan Al Mahbashi	Dr. -----	Dr. Abdulelah Thabet	Dr. Ali Alyahawi

II. Course Description:

The course content is supportive for pharmacy practice and integrated cases III course and complementary to pathophysiology and pharmacology courses. The course content aims to understand the knowledge of the pathophysiology, clinical manifestations, and therapeutics of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.

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	Describe the clinical manifestations, pathophysiology, and complication of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	A1
a2	Define the target goals of therapy for Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	A5

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

b1	Design the appropriate drugs regimens and monitoring plans for Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	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 drug regimens and monitoring parameters to achieve targeted treatment goals of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	C3, C4
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D. Transferable Skills: Upon successful completion of the course, students will be able to:

d1	Search efficiently in professional medical references and sites	D2, D3
d2	Communicate effectively with healthcare professionals 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- Describe the clinical manifestations, pathophysiology, and complication of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	- Lecture - Instructor – student Interactive - Office hour	- Exam - Assignment - Quiz
a2- Define the target goals of therapy for Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	- 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 the appropriate drugs regimens and monitoring plans for Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	- 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 drug regimens and monitoring parameters to achieve targeted treatment goals of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	- Lecture - Instructor – student Interactive - Self-Learning	- Exam - Assignment

(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 in professional medical references and sites	Self-Learning Seminar Exercises	- Presentation - Assignment
d2- Communicate effectively with healthcare professionals and patients	Seminar Instructor–student Interactive Exercises	Presentation

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IV. Course Content:					
A – Theoretical Aspect:					
Order	Units/Topics List	Learning Outcomes	Sub Topics List	Number of Weeks	Contact Hours
1	Neurologic Diseases	a1, a 2, b1 ,c1, d 1, d 2	- Epilepsy - Parkinson Disease - Alzheimer Disease (AD)	3	6
2	Psychiatric Diseases	a1, a 2, b1 ,c1, d 1, d 2	- Sleep Disorders - Major Depressive Disorder - Anxiety Disorder	4	8
3	Midterm Exam	a1, a 2, b1, ,c1,		1	2
4	Psychiatric Diseases	a1, a 2, b1 ,c1, d 1, d 2	- Schizophrenia	2	4
5	Woman and Man Health	a1, a 2, b1 ,c1, d1, d 2	- Therapeutic Considerations in Pregnancy and Lactation:	1	2
			- Birth control	2	4
			- Menstruation-Related Disorders	1	2
			- Hormone Therapy in Menopause	1	2
6	Final Exam	a 1, a 2, b1, , c1,		1	2
Number of Weeks /and Units Per Semester				16	32

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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: Develop Pharmaceutical Care plan for patient with Parkinson disease	a 1, a 2, b1,c1, d1, d 2	3th	2.5
2	Assignment 2: Develop Pharmaceutical Care plan for patient with Anxiety Disorders	a1, a 2, b1,c1, d1, d 2	6th	2.5
3	Assignment 3: Develop Pharmaceutical Care plan for pregnant with DM	a1, a2, b1,c1, d 1, d 2	9th	2.5
4	Assignment 4: Compare between different Hormone Therapy in Menopause	a1, a2, b1,c1, d 1, d 2	13th	2.5
Total				10

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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, a 2, b1,c1, d 1, d 2
2	Quiz	2 nd -13 th	5	5%	a 1, a 2, b1,c1, d 2
3	Midterm Exam (Theory)	Week 7	20	20%	a 1, a 2, b1,c1,
4	Quiz	14 th	5	5%	a1, a2, c1, c2
5	Final Exam (Theory)	Week 16	60	60%	a 1, a 2, b1,c1,
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).

- 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))

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:

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	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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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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			Lecture	Exercise	
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		4
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		- Birth control	2	4
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		- Hormone Therapy in Menopause	1	2
6	Final Exam		1	2
Number of Weeks /and Units Per Semester			16	32

VI. Teaching Strategies of the Course:

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Quiz

Exam

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