

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 Case Studies in Pharmacotherapy II: “case-based seminars”

Course No. (02.01.266)

2020/2021

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:	Case Studies in Pharmacotherapy II: “case-based seminars”									
2	Course Code & Number:	02.01.266									
3	Credit Hours:	<table> <tr> <th>Credit Hours</th><th>Theory Hours</th><th>Lab. Hours</th></tr> <tr> <td></td><td>Lecture</td><td>Seminar</td></tr> <tr> <td>1</td><td>--</td><td>2</td></tr> </table>	Credit Hours	Theory Hours	Lab. Hours		Lecture	Seminar	1	--	2
Credit Hours	Theory Hours	Lab. Hours									
	Lecture	Seminar									
1	--	2									
4	Study Level/ Semester at which this Course is offered:	4 Level / 2 nd Semester									
5	Pre –Requisite (if any):	- Pharmacology III Case Studies in Pharmacotherapy-I: “case-based seminars”									
6	Co –Requisite (if any):	Pharmacotherapy-II									
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 Clinical pharmacy									
12	Prepared by:	Dr. Ali Alyahawi									
13	Date of Approval:	2022									

II. Course Description:

The course is designed to integrate the course of pharmacy practice and pharmacotherapy (II). It aims to improve the students' skills of Pharmacy practice by seminar discussion for clinical cases discussion of endocrine and renal disorders. It is designed to cover the pathophysiology, clinical presentations, complications, and pharmacotherapy of endocrine and renal disorders.

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III. Course Intended Learning Outcomes (CILOs)		Referenced PILOs Program Outcomes
A. Knowledge and Understanding: Upon successful completion of the course, students will be able to:		
a1	Describe the pathophysiology, clinical presentations, and complications by seminar discussion for selected clinical cases of endocrine and renal disorders.	A1
a2	Discuss the rational medication use and goals of therapy by seminar discussion for selected clinical cases of endocrine and renal diseases.	A5
B. Intellectual Skills: Upon successful completion of the course, students will be able to:		
b1	Identify drug-related problems and formulate appropriate pharmaceutical care plan to endocrine and renal diseases.	B4, B5
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:		
c1	Choose the rational pharmacotherapy regimens by seminar discussion for selected clinical cases of endocrine and renal diseases.	C3, C4
c2	Provide effective advices of life style and drug compliance to patients in order to improve targeted outcomes.	C3, C4
D. Transferable Skills: Upon successful completion of the course, students will be able to:		
d1	Search efficiently for updated medical information from professional medical references.	D2, D3
d2	Improve the students presentations skills	D1,

(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	Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
a2	Describe the pathophysiology, clinical presentations, and complications by seminar discussion for selected clinical cases of endocrine and renal disorders.	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz

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

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
b1 Identify drug-related problems and formulate appropriate pharmaceutical care plan by seminar discussion for selected clinical cases of endocrine and renal diseases.	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz

(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 Choose the rational pharmacotherapy regimens for endocrine and renal diseases.	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz
c2 Provide effective advices of life style and drug compliance to patients in order to improve targeted outcomes.	- Interactive class discussions - Seminars	- Exam - Assignment - Quiz

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

Course Intended Learning Outcomes	Teaching Strategies	Assessment Strategies
d1 Search efficiently for updated medical information from professional medical references	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment
d2 Improve the students' presentations skills	Seminars	- Class Discussion - Oral Presentation

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IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	Cases study of endocrine diseases	– Diabetes Mellitus type 1	3	6	a1, a2, b1, c1, c2, d1, d2
		– Diabetes Mellitus type II			
		– Hypothyroidism	2	4	
		– Hyperthyroidism			
		– Adrenal Gland Disorders	2	4	
2	Midterm Exam		1	2	
3	Cases study of endocrine diseases	– Pituitary Gland Disorders	1	2	a 1, a2, b1, c1, c2, d1, d2
4	Cases study of renal diseases	– Acute Kidney Injury	1	2	a1, a2, b1, c1, c2, d1, d2
		– Estimation of CKD Stages			
		– Complication of CKD	3	6	
		– Fluids and Electrolytes	1	2	
		– Acid–Base Disturbances	1	2	
5	Final Theoretical Exam		1	2	
Number of Weeks /and Units Per Semester			16	32	

V. Teaching Strategies of the Course:

- Assignments
- Interactive class discussions
- Office hours
- Seminars

VI. Assessment Methods of the Course:

- Assignments
- Quiz
- Exam

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VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1: Case Presentation for DM type 1 & type II.	Week 6	5	a1, a2, b1, c1, d1, d2
2	Assignment 2: Search for updated guideline recommendations for managing DM type II.	Week 12	5	a1, a2, b1, c1, 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	Week 6, 12	10	10 %	a 1, a2, b1, c1,c2 d1, d2
2	Quiz 1	Week 6	5	5%	a 1, a2, b1, c1
3	Midterm Exam	Week 8	20	20 %	a 1, a2, b1, c1
4	Quiz 2	Week 12	5	5%	a 1, a2, b1, c1
5	Final Exam	Week 16	60	60 %	a 1, a2, 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):

- Marie A. Chisholm-Burns and others, (2016), **Pharmacotherapy: Principles & practice**, 4th edition, McGraw-Hill Companies, Inc., United States of America.
- Joseph Dipiro, (2017), **Pharmacotherapy: pathophysiologic approaches**, 10th edition, McGraw-Hill Companies, Inc., United States of America.

2- Essential References:

- Walker and Edwards, (2012), **Clinical Pharmacy and Therapeutics**, 5th edition.
- Koda-Kimble, and others, (2012), **Applied Therapeutics: The Clinical Use Of Drugs**, 10th edition, Lippincott Williams & Wilkins , Philadelphia, United States of America.

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- 3- Drug Information Handbook: (2016), **A Clinically Relevant Resource for All Healthcare Professionals** 25th Edition Lexi Comp
- 4- Pharmacotherapy Casebook, (2017), **A Patient-Focused Approach**, 10th Edition (Pharmacy), McGraw-Hill.

3- Electronic Materials and Web Sites etc.:

Websites:

- 1- Word Document or Portable Data Files (PDF) for Lectures Delivery.
- 2- American College of Clinical Pharmacy (ACCP) <http://www.accp.com>

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.
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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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Second Part of Course Specification

Faculty of Clinical Pharmacy

Course Specification of

Case Studies in Pharmacotherapy II: “case-based seminars”

Course No. (02.01.266)

2022

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Course Plan (Syllabus) of Course Specification of Case Studies in Pharmacotherapy II

Course No. (02.01.266)

I. Information about Faculty Member Responsible for the Course:							
Name of Faculty Member:	Dr. Ali Alyahawi						
Location& Telephone No.:							
E-mail:		SAT	SUN	MON	TUE	WED	THU
Office Hours							

2021/2022

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2	Midterm Exam		1	2
3	Cases study of endocrine diseases	– Pituitary Gland Disorders	1	2

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4	Cases study of renal diseases	– Acute Kidney Injury	1	2	
		– Estimation of CKD Stages	3	6	
		– Complication of CKD	1	2	
		– Fluids and Electrolytes	1	2	
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Total			10

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

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1	Assignments	Week 6, 12	10	10 %
2	Quiz 1	Week 6	5	5%

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3	Midterm Exam	Week 8	20	20 %
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Total			100	100%

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