

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-IV:**
“case-based seminars

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Course No. (02.01.268)

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

II. Course Description:

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

III. Course Intended Learning Outcomes (CILOs)		Referenced PILOs (Learning out of program)
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 Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	A1
a2	Discuss the rational use of medication and goals of therapy by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	A5
B. Intellectual Skills: Upon successful completion of the course, students will be able to:		
b1	Construct an appropriate pharmaceutical care plan by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	B4, B5
b2	Interpret the clinical and laboratory data by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	B4, B5
C. Professional and Practical Skills: Upon successful completion of the course, students will be able to:		
c1	Select the rational pharmacotherapy regimens by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	C3, C4
c2	Advise the patient about disease and medication	C3, C4
D. Transferable Skills: Upon successful completion of the course, students will be able to:		
d1	Search efficiently for medical information from professional medical sites.	D2, D3
d2	Develop the students presentations skills	D1

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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	Describe the pathophysiology by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz
a2	Discuss rational use of medication by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health.	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz
(B) Alignment of Course Intended Learning Outcomes (Intellectual Skills) to Teaching Strategies and Assessment Methods:			
Course Intended Learning Outcomes		Teaching Strategies	Assessment Strategies
b1	Construct an appropriate pharmaceutical care plan by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz
b2	Interpret the clinical and laboratory data by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health conditions.	- 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	Select the rational pharmacotherapy regimens by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health	- Assignments - Interactive class discussions - Office hours - Seminars	- Exam - Assignment - Quiz
c2	Advise the patient about disease and medication	- 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 medical information from professional	- Assignments - Interactive class discussions	- Exam - Assignment

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	medical sites.	- Office hours - Seminars	
d2	Improve the students presentations skills	Seminars	- Discussion - Presentation

IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CLOs)
1	Neurologic Disorders	- Epilepsy - Parkinson Disease - Alzheimer Disease (AD)	3	6	a1, a2, b1, b2, c1, c2, d1, d2
2	Cases study of Psychiatric Disorders	- Sleep Disorders - Major Depressive Disorder - Anxiety Disorder - Schizophrenia	4	8	a1, a2, b1, b2, c1, c2, d1, d2
3	Midterm Exam		1	2	a1, a2, b1, b2, c1
4	Cases study of Woman and Man Health	- Menstruation-Related Disorders - Hormone Therapy in Menopause - Women Infertility & Men Sexual Dysfunction	7	14	a1, a2, b1, b2, c1, c2, d1, d2
5	Final Theoretical Exam		1	2	a1, a2, b1, b2, c1
Number of Weeks /and Units Per Semester			16	32	

V. Teaching Strategies of the Course:

- Assignments
- Interactive class discussions
- Office hours
- Seminars

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VI. Assessment Methods of the Course:

- Assignments
- Quiz
- Exam

VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Case Presentation for Parkinson disease.	Week 3	5	a1, a2, b1, b2, c1, d1, d2
2	Search for updated guideline recommendations for infertility in men.	Week 13	5	a1, a2, b1, b2, 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 3-13	10	10 %	a1, a2, b1, c1,c2 d1, d2
2.	Quiz	Week 6	10	10 %	a1, a2, b1, b2c1,c2 , d1
3.	Midterm Exam	Week 8	20	20 %	a1, a2, b1, c1,
4.	Quiz 2	Week 12	10	10 %	a1, a2, b1, b2, c1,c2 d1
5.	Final Exam	Week 16	50	50 %	a1, a2, b1, c1
Total			100	100%	

IX. Learning Resources:

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

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

2- Essential References:

- 1- Walker and Edwards, (2012), **Clinical Pharmacy and Therapeutics**, 5th edition.

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- 2- Koda-Kimble, and others, (2012), **Applied Therapeutics: The Clinical Use of Drugs**, 10th edition, Lippincott Williams & Wilkins , Philadelphia, United States of America.
- 3- **Drug Information Handbook: A Clinically Relevant Resource for All Healthcare Professionals** 25th Edition Lexi Comp; 25 edition (May 2, 2016).
- 4- **Pharmacotherapy Casebook: A Patient-Focused Approach, Tenth Edition (Pharmacy)** 10th Edition, McGraw-Hill Education; 10 edition (January 4, 2017)

3- Electronic Materials and Web Sites etc.:

- 1- [Word Document or Portable Data Files \(PDF\) for Lectures Delivery.](#)
- 2- [American College of Clinical Pharmacy \(ACCP\) http://www.accp.com](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.
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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Second Part of Course Specification

Faculty of Clinical Pharmacy

Bachelor of Clinical Pharmacy & Pharm. D.

Course Specification of

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

Course No. (02.01.268)

2021/2022

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Course Plan (Syllabus) of Case Studies in Therapeutics (4): “case-based seminars”

Course No. (02.01.268)

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

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| b1 | Construct an appropriate pharmaceutical care plan by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health. |
| b2 | Interpret the clinical and laboratory data by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health |

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

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| c1 | Select the rational pharmacotherapy regimens by seminar discussion for selected clinical cases of Neurologic Disorders/ Psychiatric Disorders/ Woman and Man Health |
| c2 | Advise the patient about disease and medication |

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

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| d1 | Search efficiently for medical information from professional medical sites. |
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		- Anxiety Disorder - Schizophrenia			d1, d2
3	Midterm Exam		1	2	a1, a2, b1, b2, c1
4	Cases study of Woman and Man Health	- Menstruation-Related Disorders - Hormone Therapy in Menopause - Women Infertility & Men Sexual Dysfunction	7	14	a1, a2, b1, b2, c1, c2, d1, d2
5	Final Theoretical Exam		1	2	a1, a2, b1, b2, c1
Number of Weeks /and Units Per Semester			16	32	

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