

Republic of Yemen

Ministry of Higher Education & Scientific Research

21 September University of Medicals & Applied Sciences



Faculty of Clinical Pharmacy

Bachelor of Pharm. D.

Course Specification of

Hospital Training: Gynecology & Obstetrics

Course No. (02.05.260)

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:	Hospital Training: Gynecology & Obstetrics			
2	Course Code & Number:	02.05.260			
3	Credit Hours:	Credit Hours	Theory Hours		Training Hours
			Lecture	Exercise	
3	Credit Hours:	3	--	--	96 hrs. (90 hrs. on-site a ward rotation + 6 hrs. a formal case presentation at the end of the rotation)
4	Study Level/ Semester at which this Course is offered:	6 th Level / 2 nd Semester			
5	Pre –Requisite (if any):	Students must have successfully completed their basic curriculum of 5 th Year.			
6	Co –Requisite (if any):	None			
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:	2022			

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

II. Course Description:

The course aims to improve the students skills on real hospital cases. The student will spend 3 weeks participating in clinical round and therapeutics decisions related to gynecology & obstetrics diseases. During the training, the student will develop skills in practicing pharmaceutical car including obtaining medication histories, assessing the appropriateness of medication regimens, counseling patients, monitoring therapies, and providing appropriate drug information to both patients and physicians.

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	Understand the roles and responsibilities of Pharm D student as active member in team-work of specific obstetrical and gynecological diseases.	A1, A3, A4, A5
a2	Define the principles of pharmacotherapy in cases discussion related to obstetrical and gynecological diseases.	A1, A5

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

b1	Construct a plan for pharmacotherapy regimens in selected cases of obstetrical and gynecological diseases.	B2, B3, B4, B5
b2	Continuously interpret the target endpoints and abnormal lab tests of selected cases discussion related to obstetrical and gynecological disease	B2, B3, B4, B5

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

c1	Apply the appropriate pharmacotherapy regimens and monitoring parameters in cases discussion related to obstetrical and gynecological diseases in real-time and post-clinic discussions according to appropriate primary literature and updated guidelines.	C4
c2	Provide patients counselling of drug therapy and diseases for selected cases of obstetrical and gynecological diseases.	C3, C4, C5

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

d1	Communicate effectively and ethically with all healthcare providers using medical terminologies.	D1, D2
d2	Develop students independent self-learning skills.	D2, D3

(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- Define the roles and responsibilities of Pharm D student as active member in team-work of specific obstetrical and gynecological diseases.	- Clinical cases studies - Small practical session and discussion - Seminars - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics. - Exam
a2- Discuss the principles of pharmacotherapy in cases discussion related to obstetrical and gynecological diseases.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. - Exam

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

Course Intended Learning Outcomes	Teaching strategies	Assessment Strategies
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b1- Construct a rational pharmacotherapy regimen for selected cases of obstetrical and gynecological diseases.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. - Exam
b2- Design monitoring plan and therapeutic goals of appropriate drug use for selected cases of obstetrical and gynecological diseases.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics. - Exam

(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 the appropriate pharmacotherapy regimens and monitoring parameters in cases discussion related to obstetrical and gynecological diseases in real-time and post-clinic discussions according to appropriate primary literature and updated guidelines.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available	- Assignments - Oral case discussions during clinical rounds - Pharmacy practice manual - Formal case presentation - Presentation for one of the course content topics.

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	information in disease state - Self-learning	- Exam
C2- Continuously evaluate the target endpoints of selected cases discussion related to obstetrical and gynecological diseases	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- 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- Communicate effectively and ethically with all healthcare providers using medical terminologies.	- Clinical cases studies - Small practical session and discussion - Seminars	- Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics.
d2- Develop students independent self-learning skills.	- Clinical cases studies - Small practical session and discussion - Seminars - Pharmacy practice manual - Use of advanced database search - Collecting, interpreting, and integrating available information in disease state - Self-learning	- Assignments - Oral case discussions during clinical rounds - Formal case presentation - Presentation for one of the course content topics. - Exam

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IV. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	1- NA				

B. Case Studies and Practical Aspect:

Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
1	- Diabetes, Thyroid disorders, and HTN in pregnancy	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
2	- Venous Thromboembolism in pregnancy	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
3	- UTI in pregnancy	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
4	- Induction of labor/ Preterm labor	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
5	- Postpartum complication	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
6	- Medications of Inducing Ovulation	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
7	- Anti-D immunoglobulin for Rhesus D Prophylaxis	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
8	- Vaginitis	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
9	- PCOS	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
10	- Birth Control	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
11	- Pregnancy and Lactation: Therapeutic Considerations	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
	- Final Exam	The last week of rotation		a 1, a2, b1, b2, c1, d2
Number of Weeks /and Units Per Semester		3 weeks	96 contact hrs.	

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C. Tutorial Aspect: (ان وجدت)

No.	Tutorial	Number of Weeks	Contact Hours	Learning Outcomes (CILOs)
1	NA			
Number of Weeks /and Units Per Semester				

V. Teaching Strategies of the Course:

- Clinical cases studies
- Small practical session and discussion
- Seminars
- Manuals
- Use of advanced database search
- Collecting, interpreting, and integrating available information in disease state

VI. Assessment Methods of the Course:

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

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VII. Assignments:

No.	Assignments	Week Due	Mark	Aligned CILOs (symbols)
1	Assignment 1: DVT therapy for pregnancy based on best scientific evidence available.	a 1, a2, b1, b2, c1, d1, d2	Week 1	10
2	Assignment 2: HTN therapy for pregnancy based on best scientific evidence available.	a 1, a2, b1, b2, c1, d1, d2	Week 2	10
Total				20

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	20	20 %	a 1, a2, b1, b2, c1, d1, d2
2	Adherence to Professional Attitudes	Course Training Period	10	10 %	d1, d2
3	Skills Acquired during Training	Course Training Period	20	20 %	b1, b2, c1, d1, d2
4	Formal Case Presentation	Last week of Rotation	10	10 %	a 1, a2, b1, b2, c1, , d2
5	General Written Examination	Last week of Rotation	40	40 %	a 1,a2, 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 edition.

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	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))	
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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Faculty of Clinical Pharmacy

Bachelor of Pharm. D.

Course Plan (Syllabus) of **Hospital Training: Gynecology & Obstetrics**

Course No. (02.05.260)

2021/2022

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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II. Course Identification and General Information:

1	Course Title:	Hospital Training: Gynecology & Obstetrics		
2	Course Code & Number:	02.05.260		
3	Credit Hours:	Credit Hours	Theory Hours	
			Lecture	Exercise
		3	--	--
				96 hrs. (90 hrs. on-site a ward rotation + 6 hrs. a formal case presentation at the end of the rotation)
4	Study Level/ Semester at which this Course is offered:	6th Level / 2nd Semester		
5	Pre –Requisite (if any):	Students must have successfully completed their basic curriculum of 5th Year.		
6	Co –Requisite (if any):	None		
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:	2022		

III. Course Description:

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The course aims to improve the students skills on real hospital cases. The student will spend 3 weeks participating in clinical round and therapeutics decisions related to gynecology & obstetrics diseases. During the training, the student will develop skills in practicing pharmaceutical car including obtaining medication histories, assessing the appropriateness of medication regimens, counseling patients, monitoring therapies, and providing appropriate drug information to both patients and physicians.

IV. Course Intended Learning Outcomes (CILOs) :

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

V. Course Contents:

A. Theoretical Aspect:

No.	Units/Topics List	Sub Topics List	Number of Weeks	Contact Hours
1	NA	—		

B. Case Studies and Practical Aspect:

Order	Tasks/ Experiments	Number of Weeks	contact hours	Learning Outcomes
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2	- Venous Thromboembolism in pregnancy	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
3	- UTI in pregnancy	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
4	- Induction of labor/ Preterm labor	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
5	- Postpartum complication	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
6	- Medications of Inducing Ovulation	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
7	- Anti-D immunoglobulin for	Through	Rotation Period	a 1, a2, b1, b2,

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	Rhesus D Prophylaxis	Rotation Period		c1, d1, d2
8	- Vaginitis	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
9	- PCOS	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
10	- Birth Control	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
11	- Pregnancy and Lactation: Therapeutic Considerations	Through Rotation Period	Rotation Period	a 1, a2, b1, b2, c1, d1, d2
	- Final Exam	The last week of rotation		a 1, a2, b1, b2, c1, d2
Number of Weeks /and Units Per Semester		3 weeks	96 contact hrs.	

VI. Teaching Strategies of the Course:

- Clinical cases studies
- Small practical session and discussion
- Seminars
- Manuals
- Use of advanced database search
- Collecting, interpreting, and integrating available information in disease state

VII. Assessment Methods of the Course:

- Assignments
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- Exam

VIII. Assignments:

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No.	Assignments	Week Due	Mark
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2	Assignment 2: HTN therapy for pregnancy based on best scientific evidence available.	a 1, a2, b1, b2, c1, d1, d2	Week 2
Total			

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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	Course Training Period	20	20 %	a 1, a2, b1, b2, c1, d1, d2
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3	Skills Acquired during Training	Course Training Period	20	20 %	b1, b2, c1, d1, d2
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5	General Written Examination	Last week of Rotation	40	40 %	a 1,a2, b1, b2, c1, d1
Total			100	100%	
X. Learning Resources:					

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

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

- Chisholm-Burns et al, 2019 , Pharmacotherapy principles & practice. 5rd edition.
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2- Essential References.

- DiPiro et al, 2020, Pharmacotherapy: A Pathophysiological Approach, 11th edition.
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- <http://www.globalrph.com/>
- Updated Clinical Practice Guidelines for selected course disorders

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

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