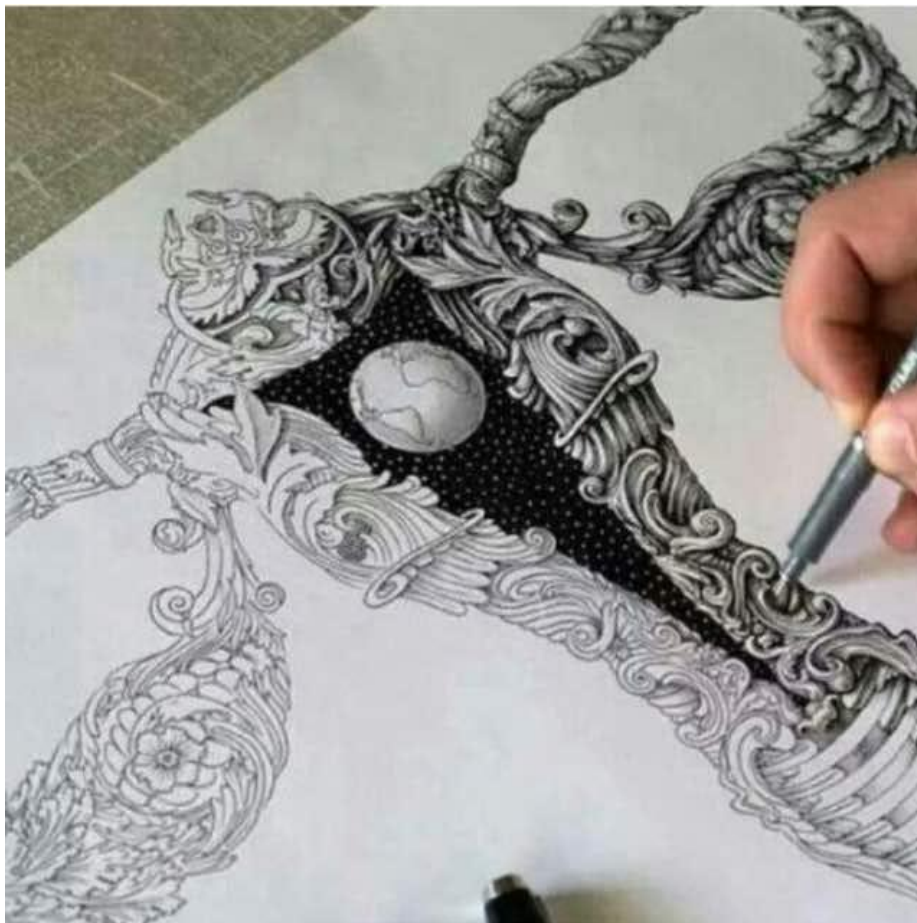


STUDY GUIDE

Course Name: Obstetrics and Gynecology

Course Code: 1209511



Course coordination

Female section Omaimah.Hamed@nbu.edu.sa

Male section Omaimah.Hamed@nbu.edu.sa

Course Identification

1. Credit hours	10
2. Level/year at which this course is offered	5 th year level 10
3. Pre-requisites for this course	Surgery 1(1202411)

Course contributors

1	Dr Omaima Anan Omer Hamid	Assistant Professor
2	Dr Samina Nazaket Ahmed	Assistant Professor

Actual Learning Hours

No	Activity	Learning Hours
Contact Hours		
1	Lecture	48
2	Skill lab	36
3	Tutorial	6
4	Bed side teaching	57
5	Seminars	8
6	Case presentations	11
7	PBLs	10
	Total	176
Other Learning Hours*		

1	Study	150
2	Assignments	
3	Library	74
4	Projects/Research Essays/Theses	
5	Others (specify)	
	Total	400

Course Objectives

1. Course Description

The course is about teaching the core knowledge of obstetrics and gynecology in a series of lectures, supported by a set of PBL to consolidate the clinical aspects of each topic. The bed side teaching is for history taking and clinical examination and the other clinical skills were obtained in the skill lab. The weekly tutorial was for the obstetrics emergencies. Seminars and case presentations were designed to build the students presentation and communication skills

2. Course Main Objective

After attending this course the student will be able to :

- 1- Outlines the basic knowledge about pregnancy and its complications and basic gynecological conditions
- 2- Evaluate the obstetrics patients to reach clinical diagnosis
- 3- Develop management plan for obstetrics and some gynecological cases
- 4- Discuss management plan with both patient and consultant
- 5- Examine a pregnant lady and able to demonstrate the clinical signs and relate the findings to history

Course Learning Outcomes

CLOs	Aligned PLOs
Knowledge:	
Explain the normal and complicated pregnancy and delivery and their management modalities	K2
Discuss the congenital, inflammatory, hormonal, functional and neoplastic diseases of the female genital system and the principles of their treatments	K2
Skills :	
Take history, perform examination and basic maneuvers, choose investigations for cases of Obs. &Gyn.	S2, S3
Diagnose and suggest treatment for cases of Obs. &Gyn.	S2
Perform basic maneuvers for cases of Obs. &Gyn.	S4
Competence:	
Communicate properly with colleagues and facilitators	C1
Operate self-learning from updated medical information from different approved sources in the web.	C2
Interpret the results of clinical, laboratory, and radiological findings for proper problem solving and decision making	C3

Course Content

No	List of Topics	Contact Hours
	Lectures	1 hour for each lecture
	<p>Course overview (orientation)</p> <ol style="list-style-type: none"> 1. Introduction to Obstetrics & Physiological changes of pregnancy 2. History taking in Obstetrics 3. Miscarriage 4. Ectopic pregnancy & Gestational trophoblast disease 5. Hypertensive disorders 6. Eclampsia 7. Preexisting DM with pregnancy 8. Gestational diabetes 9. Multiple pregnancy & Hypermesis gravidarum 10. Cardiac disease 11. IUGR 12. Rhesus isoimmunization 13. Placental abruption 14. Placenta previa & vasa previa 15. Poly & oligohydramniotic 16. Anaemia with pregnancy 17. IUFD 18. Malpresentation & malposition 19. Epilepsy & Thyroid disorder 20. Thrombophilia 21. UTI & GBS 22. Normal labor 23. Management of normal labor 24. Prolonged pregnancy & induction of labor 25. Prolonged & obstructed labor 26. Infection in pregnancy 27. Thrombo-embolism 28. Psychiatric disorder 29. Puerperal pyrexia 	

	<ul style="list-style-type: none"> 30. Fetal monitoring 31. Postpartum hemorrhage 32. Operative vaginal deliveries 33. Preterm labor 34. PPRM 35. Developmental genecology & Dysmenorrhea 36. Primary & Secondary amenorrhea 37. Heavy menstrual bleeding & Uterine fibroids 38. Pelvic infections 39. Pelvic organ prolapse 40. Contraception 41. Endometriosis & Adenomyosis 42. Menopause & HRT 43. Endometrial hyperplasia & Endometrial cancer 44. Cervical intraepithelial neoplasia 45. Cervical Cancer 46. Benign ovarian tumours 47. Ovarian malignancy 48. Postmenopausal bleeding 	
		48
	Seminars	8
	<ul style="list-style-type: none"> 1. U/S in obstetrics 2. ANC 3. Vaginal Birth After C/S 4. Obstetric Anaesthesia& Analgesia 5. C/S 6. Contraception & sterilization 7. Maternal Mortality 8. Other current topics () 	
	Case presentation	11
	Prepared and presented by students	
	Tutorials (6 sessions)	
	<ul style="list-style-type: none"> 1. Management of miscarriage 2. Management of Eclampsia 3. Maternal resuscitation 4. Peri-operative care & Blood transfusion in obstetrics 	6

	<ol style="list-style-type: none"> 5. Taking consent in obstetrics practice (communication skills) 6. Acute Ovarian Cyst 	
	PBL	10
	<ol style="list-style-type: none"> 1. Bleeding in early pregnancy 2. Abdominal pain in late pregnancy 3. Puerperal Pyrexia 4. Vaginal discharge outside pregnancy 5. Post-menopausal bleeding 	
	<p>Skill lab</p> <ol style="list-style-type: none"> 1. Antenatal care (Obstetrics examination) 2. Speculum examination 3. Bimanual pelvic examination 4. Normal vaginal delivery 5. Breech vaginal delivery 6. Assisted vaginal delivery 7. Female urethral catheterization 8. Surgical instruments 9. Revision session 	18
	Bed-side teaching	57
	<p>According to availability in the hospital:</p> <ol style="list-style-type: none"> 1. Normal pregnancy 2. Pregnancy induced hypertension 3. DM with pregnancy 4. Pregnancy with growth restriction 5. Multiple pregnancy 6. Anemia with pregnancy 7. Placenta previa/ abruption 8. Breech presentation 9. Poly and oligohydramnios 10. Normal labour 11. Elective C/S (pre & post Operative) 	

	<p>12. Preterm Premature Rupture of Membranes 13. Preterm labour 14. Miscarriage / ectopic 15. Pelvic mass 16. Postmenopausal bleeding 17. Genital prolapse</p>	
Total		17 cases

Teaching strategies and Assessment Methods for Students

Alignment of Course Learning Outcomes with Teaching Strategies and Assessment Methods

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
1.0	Knowledge		
1.1	Explain the normal and complicated pregnancy and delivery and their management modalities	Direct instruction (lectures) Interactive (PBL, Tutorial, CP)	Single best answer Short answer questions
1.2	Discuss the congenital, inflammatory, hormonal, functional and neoplastic diseases of the female genital system and the principles of their treatments	Direct instruction (lectures) Interactive (PBL, Tutorial, CP)	Single best answer short answer questions
2.0	Skills		
2.1	Take history, perform examination and basic maneuvers, choose investigations for cases of Obs. &Gyn.	Experiential learning (Skill lab, BST)	Long case clinical examination
2.2	. Diagnose and suggest treatment for cases of Obs. &Gyn.	Experiential learning (Skill lab, BST)	Written exam Long case clinical

Code	Course Learning Outcomes	Teaching Strategies	Assessment Methods
			examination
2.3	Perform basic maneuvers for cases of Obs. &Gyn.	Experiential learning (Skill lab, BST)	OSAT (skill lab exam)
3.0	Competence		
3.1	Communicate properly with colleagues and facilitators	Interactive (PBL, Tutorial, CP)	PBL checklist CP checklist
3.2	Operate self-learning from updated medical information from different approved sources in the web.	Interactive (PBL, Tutorial, CP)	PBL checklist CP checklist
3.3	Interpret the results of clinical, laboratory, and radiological findings for proper problem solving and decision making	Interactive (PBL, Tutorial, CP)	OSCE Written exam PBL checklist CP checklist

Assessment Tasks for Students

#	Assessment task*	Week Due	Percentage of Total Assessment Score
1	Quiz	7	10%
2	Single best answer	12	30%
3	Structure answer question	12	10%
4	Clinical exam	12	20%
5	OSAT	11	10%
6	OSCE	12	10%
7	Continuous Assessment	1 to 12	10%
8			

*Assessment task (i.e., written test, oral test, oral presentation, group project, essay, etc.)

Course blueprint (% of total summative marks in blue print is to be given in the range)

Teaching and Assessment Blueprint

Course title: **Obstetrics and Gynecology**
Course Code: **1209511**

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
1	Course overview (orientation)	L											1	
2	Introduction to Obstetrics	L	SBA	√									1/2	0-0.5

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
3	Physiological changes of pregnancy	L	SBA	√								√	1/2	0.25-1
4	History taking & exam. in Obstetrics	L, BS, SL,	C. Exam CE	√			√	√					2	8
5	Miscarriage	L, T, BST	SBA, SAQ	√								√	1.5	1-3
6	Gestational trophoblast disease	L, BST	SBA	√								√	1/2	0.25-1
7	Ectopic pregnancy	L, BST	SBA	√								√	1/2	0.25-1
8	Hypertensive disorders	L, BST	SBA, SAQ, CE	√			√	√					1	1-3
9	Eclampsia	L, BST, T	SBA, SAQ, CE	√			√	√				√	1.5	1-3
10	Hyperemesis gravidarum	L, BST	SBA, CE	√				√				√	1/2	0.25-1
11	Preexisting & gestational DM with pregnancy	L, BST	SBA, SAQ, CE	√			√	√				√	1	1-3
13	Multiple pregnancy & hyperemesis gravidarum	L, BST	SBA, SAQ, CE	√			√	√				√	1	0.25-1
14	Cardiac disease	L	SBA	√			√	√					1	0.25-1
15	IUGR	L, BST	SBA, CE	√			√	√				√	1	1-3
16	Rhesus isoimmunization	L	SBA	√									1	0.25-1
17	Placental abruption	L, BST	SBA, SAQ, CE	√			√	√				√	1	1-3
18	Placenta previa	L, BST	SBA, SAQ, CE	√			√	√				√	1	1-3
19	Poly &	L, BST	SBA,	√			√	√				√	1	1-3

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
	oligohydramnious		OSCE											
20	Anaemia with pregnancy	L, BST	SBA, SAQ, CE	√			√	√				√	1	1-3
21	Intrauterine fetal death	L, BST	SBA, CE	√			√	√					1	0.25-1
22	Malpresentation & malposition	L, BST	SBA, OSCE	√			√	√					1	1-3
25	Epilepsy & thyroid disorders with pregnanc	L, BST	SBA	√									1	0.25-1
26	Thrombophilia	L, BST	SBA	√									1	0.25-1
27	UTI& GBS	L, BST	SBA	√									1	0.25-1
28	Normal labour	L, BST	SBA, SAQ, CE	√			√	√					1	0.25-1
29	Management of Normal labour	L, BST	SBA, SAQ, CE	√			√	√					1	1-3
30	Prolonged pregnancy and induction of labour	L, BST	SBA, CE	√			√	√					1	1-3
31	Prolonged & obstructed labor	L, BST	SBA, SAQ, CE	√			√	√					1	1-3
32	Infection in pregnancy	L	SBA	√			√	√					1	1-3
33	Thrombo-embolism	L	SBA	√			√	√			√		1	0.5-1
35	Psychiatric disorder	L	SBA	√									1	0.25-1
36	Puerperal pyrexia	L, PBL, BST	SBA, SAQ, CE	√			√	√				√	1.5	1-3
37	Fetal monitoring	L, T, BST	SBA, OSCE, CE	√			√	√				√	1.5	1-3
38	Postpartum hemorrhage	L, BST	SBA, SAQ, CE	√			√	√				√	1	1-3
39	Operative vaginal deliveries	L, SL	SBA, OSAT	√					√				3	1-3
40	Preterm labor	L, BST	SBA,	√			√	√					1	0.25-1

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
			CE											
41	Preterm prelabour rupture of membrane	L, BST	SBA, SAQ, OSCE	√			√	√				√	1	1-3
42	Developmental gynecology & dysmenorrhea	L	SBA, OSCE		√								1	0.25-3
43	Primary & secondary Amenorrhea	L	SBA, OSCE		√								1	0.25-3
45	Heavy menstrual bleeding & uterine fibroids	L, BST, PBL	SBA, SAQ, OSCE		√		√	√				√	1	1-3
48	Pelvic infections	L, BST, PBL	SBA, SAQ, OSCE				√	√				√	3	1-3
49	Pelvic organs prolapse	L, BST	SBA, OSCE		√		√	√					1	1-3
50	Contraception	L, S, BST	SBA, OSCE, CE		√								1	1-3
51	Endometriosis & Adenomyosis	L	SBA, OSCE		√			√					1	0.25-1
52	Menopause & HRT	L	SBA		√								1	0.25-2
53	Endometrial hyperplasia & cancer	L, BST, PBL	SBA		√		√	√				√	1	1-2
55	Cervical intraepithelial neoplasia	L, PBL	SBA, OSCE		√		√	√				√	1	1-3
56	Cervical Cancer	L, BST, PBL	SBA, OSCE		√		√	√				√	1	1-3
57	Benign ovarian tumours	L, BST, PBL	SBA, OSCE		√		√	√				√	1	1-3
58	Ovarian malignancy	L, BST	SBA, OSCE		√		√	√				√	1	1-3
59	Postmenopausal bleeding	L, BST, PBL	SBA, SAQ,		√		√	√				√	3	0.25-3

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
	Infertility	L	SBA, SAQ, OSCE		√		√	√			√	1	1-2	
60	Ultrasound in obstetrics	S	SBA, OSCE	√						√	√	1	1-2	
61	Antenatal care	S, BST	SBA, CE	√			√	√		√	√	1	0.25-1	
62	Cesarean Section (C/S)	S, BST	SBA, CE	√			√	√		√	√	1	0.25-1	
63	Vaginal birth after C/S	S, BST	SBA, CE	√			√	√		√	√	1	0.25-1	
64	Obstetric anaesthesia and analgesia	S, BST	SBA, CE	√						√	√	1	0-0.5	
65	Maternal mortality	S	SBA	√						√	√	1	0-0.5	
66	Covid 19 in pregnancy	S	SBA	√						√	√	1	0-0.5	
67	Maternal resuscitation	T, BST	SBA, CE	√			√	√		√	√	1	0-0.5	
69	Peri-operative care & Blood transfusion in pregnancy	T, BST	CE	√				√		√	√	1	0-0.5	
70	Taking consent in obstetrics practice	T, BST	CE	√						√	√	1	0-0.5	
71	Acute ovarian cyst	T, BST	SBA, OSCE	√			√	√		√	√	1	1-2	
72	Bleeding in early pregnancy	PBL	SBA, SAQ, CE	√			√	√		√	√	2	1-2	
73	Abdominal pain in late pregnancy	PBL	SBA, SAQ, CE	√			√	√		√	√	2	1-2	
74	Obstetric Examination	Skill L	OSAT, CE	√						√		2	4	
75	Speculum examination	SL	OSAT		√					√		2	0-3	
76	Bimanual pelvic examination	S, BSTL	OSAT, CE		√					√		2	0-3	
77	Normal vaginal delivery	SL, BST	OSAT	√						√		2	0-3	

	Topics	Teaching strategies	Assessment methods	Knowledge			Skill			Competency			% of total contact hours	% of total summative marks
				K1	K2	...	S1	S2	S3	C1	C2	C3		
78	Breech vaginal delivery	SL, BST	OSAT	√					√				2	0-3
79	Female urethral catheterization	SL	OSAT	√	√				√				2	0-3
80	Surgical instruments	SL	OSAT	√	√				√				2	2

Notes:

1. Many of these topics are discussed also during the Bed-side Teaching throughout the semester (40 contact hours), this time was not mentioned here... because it depends on the availability of case.
2. The mark of the clinical exam were not included, because each student will have a different case
3. There is a series of case presentations on the same topics that are done in BST

Abbreviations:

L: lectures T: tutorial

PBL: problem-based learning

S: seminar

SL: Skill lab

BST: bed-side teaching

CE: clinical exam

SBA: single best answer

SAQ: short-answer questions

OSAT: On-Site Assessment and Training (assessment of skills and procedures learned in skill labs)

Learning Resources

Required Textbooks	Obstetric by Ten Teachers - 19 th edition Gynaecology by Ten Teachers – 19 th edition
Essential References Materials	Obstetrics and gynecology , an evidence based text - Second
Electronic Materials	RCOG (Royal college of obstetrician and gynecologist) guidelines ACOG (American college of obstetrics and gynecology) guidelines
Other Learning Materials	British green top guidelines NICE guidelines


Related check lists

Problem Based Learning - Rating Scale

Semester _____ Topic _____ Session -----

Facilitator _____ Date _____

PBL-Stage 1 (Rate each student between 0-5, where 0 = means no effort by the student, and 5=means maximum effort by the student)


	Observable behavior 	Participation in discussion c C	Active Listening C	Interpersonal Skills C	Self directed C1 or2	Proposes solution C3	Total score
	Students Name						
1							
2							
3							
5							

Seminars

Semester _____ Topic _____

Facilitator _____ Date _____

Rate each student between 0-5, where 0 = means no effort by the student, and 5=means maximum effort by the student)


	Observable parameter 	Inclusive Search in literature (C2)	Understanding of the contents (K1&K2)	Presentation skills C1	Total score
	Students Name				
1					
2					
3					
5					

Case presentation

Semester _____ Topic _____

Facilitator _____ Date _____

Rate each student between 0-5, where 0 = means no effort by the student, and 5=means maximum effort by the student)

	Observable parameter 	Through review of patient history & notes (S1)	Proper selection and interpretation of investigation (S1)	Suggestion of DD & treatment plan (S2)	proper problem solving and decision making (C3)
	Students Name				
1					
2					
3					
5					

Clinical skills checklist

(Checklist must be aligned with the learning outcomes)

Course quality evaluation

After the end of the course, please give your **FEEDBACK** through the following QR code:

Kingdom of Saudi Arabia

Ministry of Higher Education

Northern Border University (NBU)

College of Medicine

Department of Obstetrics and Gynecology



المملكة العربية السعودية

وزارة التعليم

جامعة الحدود الشمالية

كلية الطب

قسم النساء والولادة