

1	Course title	Obstetrics and Gynecology
2	Course number	0510502
3	Credit hours (theory, practical)	8 hours on sixth year.
	Contact hours (theory, practical)	3 hours theory, 4 hours practical and in total one hour rest
4	Prerequisites/corequisites	Passing the fifth year.
5	Program title	Obstetrics and Gynecology
6	Program code	0510502
7	Awarding institution	The University of Jordan
8	Faculty	School of Medicine
9	Department	Obstetrics and Gynecology
10	Level of course	Sixth year
11	Year of study and semester (s)	2 months during the <u>sixth year</u>
12	Final Qualification	Doctor of Medicine
13	Other department (s) involved in teaching the course	No
14	Language of Instruction	English
15	Date of production/revision	10/10/2023

### 16. Course Coordinator:

*Dr FidaThekrallah ,From 7.30 AM to 4.00 PM, ++ 6 5353666/2775 email:fidaaymen@hotmail.com*

### 17. Other instructors:

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## 18. Course Description:

### Rotation Description:

The Material covers the following:

1. Consolidating clinical skills such as taking a history and performing complete clinical examination covering common symptoms and signs associated with gynecological and obstetric diseases, supervised by consultants & residents.
2. Revision and stressing obstetric discipline, potential obstetric complications in relation to mother morbidity and mortality and its effects on neonatal outcomes.
3. Revision of the common gynecological diseases' epidemiology, underlying pathogenesis, clinical features, manifestations, differential diagnosis and management.
4. Ensuring problem solving, reaching differential diagnosis and proper case management.
5. Active and direct involvement of students in patients' care, being responsible for presenting assigned cases, suggesting management plan, and doing regular follow ups.
6. Attending delivery room, participating in delivery management and routine care.
7. Ensuring the competence with commonly used medications in gynecological and obstetric diseases.
8. Attending the operation theaters for observing gynecological procedures and operations and scrubbing if the condition of the patient permits.
9. Attending major rounds with consultants and fellows as well as management rounds to increase exposure to the management strategies of common obstetrical and gynecological problems.

Note:

In the first month, students will be divided in to two groups. Each will spend a 4-week rotation at Al-Basheer Hospital (Ministry of Health) or 4 weeks at King Husain City Medical Hospital (Military hospital); they will attend teaching rounds, scheduled seminars and will spend time at the delivery room. Students who went to Al-Basheer Hospital last year (5<sup>th</sup> year) will go to King Husain City Medical Hospital and vice versa unless they do not have the military permission, we will repeat their rotation at Al-Basheer Hospital or send them to the private sector when the agreements

are ready.

Students will spend the second month at Jordan University Hospital attending teaching rounds, clinics, delivery room, and operating room in addition to bedside teaching rounds. They will prepare the assigned seminars and present it to the whole group supervised by the consultants.

\*\*\*We are now in the process of setting up agreements with a number of private sector hospitals to increase the undergraduate's exposure to different medical sectors (and to adapt their increasing numbers) as part of their external rotation and this will be implicated once the collaboration is finalized.

### **19. Course aims and outcomes:**

**Aims:** to consolidate knowledge of common female reproductive tract problems, normal and high risk pregnancies together with obstetric and gynecological emergencies. In addition, emphasis is focused again on proper clinical assessment, routine investigations, differential diagnosis, and initial and lifesaving management.

**A- Intended Learning Outcomes (ILOs):** Upon successful completion of this course students will be able to:

A. Competent in:

- 1- Anatomy, physiology & embryology of the reproductive system.
- 2- Process of conception and fetal development.
- 3- Normal and high-risk pregnancy care and fetal screening.
- 4- Normal and complicated delivery, assisted delivery, and caesarean section and postpartum care.
- 5- Managing common obstetric emergencies
- 6- Managing common gynecological emergencies.
- 7- Recognition and basic management of pregnancy complications.
- 8- Recognizing benign diseases affecting the reproductive system, their pathogenesis, manifestation, and control, such as dysfunctional uterine bleeding, dysmenorrhea, premenstrual tension, puberty disorders, benign pelvic masses, menopausal disorders, STDs, and PID, and awareness of the basic management of these conditions
- 9- Awareness and counselling regarding family planning.
- 10- Awareness and counselling regarding Cervical screening.
- 11- Knowledge regarding presentation, risk factors and initial management of gynecological malignancies
- 12- Assessment of urogynecology diseases and how they are treated.
- 13- Basics of infertility investigation and management.

**B- Clinical and Intellectual skills (cognitive and analytical):**

- 1- Relate symptoms and signs to diseases of the recommended appropriate management.
- 2- Competent in the diagnosis of pregnancy, selection of appropriate perinatal care, monitoring of fetal development, recommendation of measures of care to promote normal fetal growth and development.
- 3- Understanding the normal process of labour and delivery, and potential complications.
- 4- Able to differentiate between the possible causes of early pregnancy bleeding
- 5- Able to recognize acute abdomen in pregnancy, differential diagnosis and management.
- 6- Be able to participate in emergency management of acute hemorrhagic events in pregnancy, labor and post-partum.
- 7- Recognize common pregnancy complications.
- 8- Recommend appropriate methods of family planning.
- 9- Assess couples with infertility.
- 10- Assess causes, and types of abnormal vaginal discharge and STD's, and awareness of basic management.
- 11- Knowledge of how to deal with pelvic masses

## 20. Topic Outline and Schedule:

Topic	Week	Instructor	Achieved ILOs	Evaluation Methods	Reference
Gynecological and Obstetric History and Examination	During the rotation	Prof. Asma Basha Dr. FidaThekrallah Dr. Nadia Mheidat Dr. Naser Husban. Dr.Oqpakuraan	1. Peculiarities of gynecological history taking. 2. Gynecological Examination: Abdominal, Vaginal, bimanual examinations, cervical smears. 3. Peculiarities of obstetric history taking. 4. Obstetric examination: Abdominal and vaginal examinations.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Anatomy of the Female Reproductive System & Gametogenesis	During the rotation	Dr. Ayman Qatawneh Dr. Nadia Mheidat Dr. OqbaKuraan	1. Revision of Anatomy of female Abdomen and Pelvis. 2. Physiological changes in anatomy to gravid Uterus and surroundings. 3. Revision of oogenesis and spermatogenesis.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Pregnancy and Prenatal Care	During the rotation	Prof. Asma Basha Dr. FidaThekrallah	1. Terms and definitions related to pregnancy. 2. Diagnosis and dating of	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology

		Dr. Oqba Kuraan	<p>pregnancy.</p> <p>3. Effect of pregnancy on various body systems.</p> <p>4. Prenatal care and scheduled prenatal visits.</p> <p>5. Routine problems of pregnancy.</p> <p>6. Prenatal assessment of the fetus.</p>		<p>Gynecology by Ten teachers</p> <p>Illustrated Obstetrics and gynecology</p>
Early Pregnancy Complications	During the rotation	<p>Prof. Kamil Fram</p> <p>Dr Fida Thekrallah</p>	<p>1. Ectopic Pregnancy: Definition, risk factors, management; Medical and surgical.</p> <p>2. Spontaneous Abortion: Related definitions, causes and diagnosis of 1<sup>st</sup> and 2<sup>nd</sup> trimester abortions.</p> <p>3. Incompetent Cervix: Definition, Risk factors, diagnosis and various modalities of management.</p> <p>4. Recurrent Pregnancy Loss: Pathogenesis, step-wise approach to diagnosis and treatment.</p>	<p>OSCE Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers Illustrated obstetrics and gynecology</p>
Prenatal Screening, Diagnosis and Treatment	During the rotation	<p>Prof. Asma Basha</p> <p>Dr. Fida Thekrallah</p>	<p>1. Concept and importance of Prenatal Screening.</p> <p>2. Screening for</p>	<p>OSCE Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and</p>

		Dr. OqbaKuraan	<p>genetic diseases: Cystic Fibrosis, Sickle-Cell Disease, Tay-Sachs Disease, Thalassemia.</p> <p>3. Major features of Chromosomal abnormalities: Down Syndrome, Trisomy 18, Trisomy 13, Turner Syndrome and Klinefelter Syndrome.</p> <p>4. Fetal congenital anomalies: Neural Tube Defects, Potter Syndrome, and Cardiac defects.</p> <p>5. Prenatal screening methods according to trimesters.</p> <p>6. Prenatal diagnosis using Amniocentesis, Chorionic Villus Sampling, Fetal Blood Sampling, and Fetal Imaging.</p>		<p>Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>
Normal Labor and Delivery	During the rotation	<p>Prof. Kamil Fram</p> <p>Dr.NadiaMhai dat</p> <p>Dr. Amal Barakat</p>	<p>1. Anatomical characteristics of the fetal head and maternal pelvis.</p> <p>2. Stages of labor: Definition, characteristics and active management.</p> <p>3. Methods, indications and contraindication of induction and</p>	<p>OSCE</p> <p>Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>

			<p>augmentation of labor.</p> <p>4. Methods, indications and contraindication of operative vaginal delivery.</p>		
Fetal Surveillance during Labor	During the rotation	<p>Prof. Asma Basha</p> <p>Dr FidaThekrallah</p>	<p>1. Methods of monitoring fetal heart rate.</p> <p>2. Fetal heart rate patterns: Normal and abnormal.</p> <p>3. Recognize fetal distress on Cardiotocography (CTG) and outline proper management steps.</p>	<p>OSCE</p> <p>Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>
Cesarean Section (C/S)	During the rotation	<p>Prof Shawqi Saleh.</p> <p>Prof. Asma Basha</p>	<p>1. Indications for elective and emergent C/S.</p> <p>2. Contraindications</p> <p>3. Classical and lower uterine segment varieties, advantages and disadvantages of each.</p> <p>4. Post operative care and complications.</p> <p>5. Vaginal Birth After Cesarean (VBAC)</p>	<p>OSCE</p> <p>Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers.</p> <p>Illustrated obstetrics and gynecology</p>
Antepartum Hemorrhage	During the rotation	<p>Prof. Asma Basha</p> <p>Dr. Ayman Qatawneh</p>	<p>1. Differential diagnosis; obstetric vs. non obstetric causes.</p> <p>2. Placenta Previa: Types, risk factors, presentation,</p>	<p>OSCE</p> <p>Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p>



			<p>diagnosis and treatment.</p> <p>3. Placental Abruption: Pathogenesis, clinical features, evaluation and treatment.</p> <p>4. Uterine Rupture: Risk factors, clinical manifestations, management.</p> <p>5. Fetal vessel rupture(vasa previa): clinical picture, diagnosis and treatment.</p>		Illustrated obstetrics and gynecology
Complications of Labor and Delivery	During the rotation	<p>Prof. Shawqi Saleh</p> <p>Dr. Nadia Mheidat.</p> <p>Dr OqpaKuraan.</p> <p>Dr Amal Barakat</p>	<p>1. Preterm labor and tocolysis.</p> <p>2. Be familiar with different classes of tocolytics.</p> <p>3. Preterm and Premature Rupture of Membranes: Definition, diagnosis and management.</p> <p>4. Failure to progress and the partogram.</p> <p>5. Malpresentation and malposition.</p> <p>6. Obstetric emergencies: Fetal bradycardia, shoulder dystocia, seizure, maternal hypotension and fetal bradycardia.</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>
Fetal Complications	During the rotation	Prof. Asma Basha	1. Small for Gestational Age (SGA): Causes,	OSCE Written exam	Hacker & Moore's Essentials of

of Pregnancy		Dr FidaThekrallah  Dr OqbaKuraan	diagnosis and follow up, and management.  2. Large for gestational age and Fetal Macrosomia: risk factors, screening and diagnosis, and management.  3. Poly- and Oligohydramnios: causes, implications, diagnosis, and management.  4. Fetal demise.  5. Postterm pregnancy: Causes, diagnosis and treatment.	Daily tutorials	Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Rh System and Fetal Anemia	During the rotation	Prof. Asma Basha.  Dr. Oqbakuraan	1. Listing causes of immune and nonimmune hydrops fetalis.  2. Approach to the unsensitized Rh negative patient.  3. Approach to the sensitized Rh negative patient.  4. Indications for RhoGAM.  5. Ultrasound follow up of fetal anemia, and determination of severity.	1. OSCE 2. Written exam 3. Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Multiple Gestation	During the rotation	Dr OqbaKuraan  Prof. Asma	1. Epidemiology and pathogenesis. 2. Diagnostic	OSCE Written exam	Hacker & Moore's Essentials of

		Basha Dr FidaThekrallah  Dr. Amal Barakat	features including Ultrasound findings.  3. Complications and delivery precautions.  4. Overview of Twin-to-twin transfusion syndrome.  5. Special consideration in the case of Mo-Mo twins.	Daily tutorials	Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Hypertension (HTN) and Pregnancy	During the rotation	Dr. Naser Husban.  Dr. Amal Barakat.	1. Overview of hypertensive states of pregnancy.  2. Criteria for diagnosis of Gestational HTN, Preeclampsia and Eclampsia.  3. Maternal and fetal complications of Preeclampsia.  4. Management of Preeclampsia according to gestational age.  5. Management of Eclampsia.  6. Chronic HTN in pregnancy.	OSCE Written exam  Daily tutorials	Hacker &Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Diabetes (DM) During Pregnancy	During the rotation	Prof. Shawqi Saleh  Prof. Asma Basha  Dr. FidaThekrallah	1. Gestational DM (GDM) vs. Pregestational DM.  2. Screening and diagnostic evaluation.  3. Treatment and follow up of	OSCE Written exam  Daily tutorial	Hacker &Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers

			<p>diabetes during pregnancy.</p> <p>4. Fetal and maternal complications of DM.</p>		Illustrated obstetrics and gynecology
Infectious Diseases in Pregnancy	During the rotation	<p>Prof. Shawqi Saleh.</p> <p>Prof. Asma Basha</p> <p>Dr. FidaThekrallah</p> <p>Dr Naser Husban.</p>	<p>1. Overview of Urinary Tract Infections in pregnancy.</p> <p>2. Discussion of bacterial vaginosis and group B streptococcus in pregnancy.</p> <p>3. Chorioamnionitis: Definition, diagnosis and management.</p> <p>4. Discussion of infections that affect the fetus: HSV, VZV, Parvovirus, CMV, Rubella, Toxoplasmosis.</p>	<p>OSCE Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>
Other Medical Complications of Pregnancy	During the rotation	<p>Prof Shawqi Saleh</p> <p>Dr Naser Husban..</p>	<p>1. Overview of Hyperemesis Gravidarum.</p> <p>2. Implications and management of Seizure disorder in pregnancy.</p> <p>3. Cardiac diseases in pregnancy.</p> <p>4. Considerations of maternal renal disease.</p> <p>5. Coagulation</p>	<p>OSCE Written exam</p> <p>Daily tutorials</p>	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>

			<p>disorders during pregnancy.</p> <p>6. Hypo- and Hyperthyroidism in pregnancy.</p> <p>7. Systemic Lupus Erythematosus in pregnancy.</p> <p>8. Maternal substance abuse.</p>		
Postpartum Care and Complications	During the rotation	<p>Prof. Asma Basha</p> <p>Dr. FidaThekrallah</p> <p>Dr. OqbaKuraan</p>	<p>1. Normal Puerperium: Anatomic and physiological changes.</p> <p>2. Routine postpartum care and breast feeding.</p> <p>3. Postpartum Hemorrhage (PPH): Causes, stepwise approach to management.</p> <p>4. Overview of Endomyometritis.</p> <p>5. Dealing with wound complications.</p> <p>6. Discussion of Mastitis.</p> <p>7. Postpartum depression and blues.</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers Illustrated obstetrics and gynecology</p>
Benign Disorders of the Lower Genital Tract	During the rotation	<p>Prof. Kamil Fram</p> <p>Dr. Ayman Qatawneh.</p> <p>Dr. Naser Husban</p>	<p>1. Congenital anomalies of the vulva &amp; vagina: Labial fusion, Imperforate hymen, Transverse vaginal septum, Vaginal atresia &amp; vaginal</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p>

			<p>agenesis.</p> <p>2. Benign Epithelial Disorders of the Vulva &amp; Vagina: Lichen sclerosis, Lichen Planus, Lichen simples chronicus, squamous cell hyperplasia, vulvar psoriasis &amp; vaginal adenosis.</p> <p>3. Benign cysts tumors of the vulva &amp; vagina: Epidermal inclusion cysts, sebaceous cysts, apocrine sweat gland cysts, skene's glands cysts, bartholin's duct cyst &amp; abscess &amp; gartner's duct cysts.</p> <p>4. Benign solid tumors of the vulva &amp; vagina: Lipomas, hemangiomas &amp; urethral caruncles.</p> <p>5. Benign cervical lesions: congenital anomalies, cervical cysts, cervical polyps, cervical fibroids &amp; cervical stenosis.</p>		Illustrated obstetrics and gynecology
Benign Disorders of the Upper Genital Tract	During the rotation	<p>Prof. Kamil Fram.</p> <p>Dr Ayman Qatawneh</p> <p>Dr. Naser Husban</p> <p>Dr. Amal</p>	<p>1. Anatomic anomalies of the uterus (Arcuate, septate, bicornuate, unicornuate, didelphys): pathogenesis, epidemiology, clinical manifestations &amp;</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated</p>

		Barakat	<p>treatment.</p> <p>2.Uterine leiomyomas (fibroids): pathogenesis, epidemiology, risk factors, clinical manifestations, diagnostic evaluation &amp; follow up.</p> <p>3.Endometrial polyps: pathogenesis, epidemiology, clinical manifestations &amp; treatment.</p> <p>4.Endometrial hyperplasia: pathogenesis, epidemiology, risk factors, clinical manifestations, diagnostic evaluation.</p> <p>5.Ovarian cysts: pathogenesis, epidemiology, clinical manifestations &amp; treatment.</p>		obstetrics and gynecology
Endometriosis & Adenomyosis	During the rotation	Prof. Shawqi Saleh	1. pathogenesis, epidemiology, risk factors, clinical manifestations, diagnostic evaluation & differential diagnosis & treatment.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers Illustrated obstetrics and gynecology
Infections of the Lower Female	During the rotation	Dr Ayman Qatawneh	1.urinary tract infections: diagnosis &	OSCE Written exam	Hacker & Moore's Essentials of

Reproductive Tract		Dr. OqbaKuraan  Dr. Naser Husban.  Dr. Amal Barakat	treatment.  2.The external anogenital region: vulvitis.  3.Ulcerated lesions: syphilis, genital herpes, chancroid & lymphogranuloma venereum.  4.Nonulcerative lesions: human papilloma virus, molluscum contagiosum, phthirus pubis & sarcoptes scabiei.  5.Vaginal infections: bacterial vaginosis, yeast infections (candidiasis) & trichomonas vaginalis.  6.Infections of the cervix: neisseria gonorrhoea & Chlamydia trachomatis.	Daily tutorials	Obstetrics and Gynecology  Gynecology by Ten teachers Illustrated obstetrics and gynecology
Upper Female Reproductive Tract & Systemic Infections	During the rotation	Dr Ayman Qatawneh.  Dr OqpaKuraan.	1.Endometritis.  2.Pelvic inflammatory disease.  3.Tubo-ovarian abscess.  4.Toxic shock syndrome	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Pelvic Organ prolapse	During the rotation	Dr Ayman Qatawneh	1. pathogenesis, epidemiology, risk factors, clinical	OSCE Written exam	Hacker & Moore's Essentials of



			manifestations, diagnostic evaluation, differential diagnosis & treatment.	Daily tutorials	Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Urinary Incontinence	During the rotation	Dr Ayman Qatawneh	1.Epidemiology, anatomy, primary types of incontinence, physical examination & diagnostic evaluation.  2.Stress incontinence  3.Detrusor overactivity  4.Overflow incontinence  5.Bypass incontinence  6. Functional incontinence	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Puberty, the Menstrual Cycle & Menopause	During the rotation	Prof. Asma Basha  Dr Nadia Mheidat	1.Puberty: adrenarche, gonadarche, telarche, pubarche, peak growth velocity & menarche.  2.Menstrual cycle physiology: follicular phase, ovulation, luteal phase & menstruation.  3. Menopause & postmenopause: etiology, diagnosis, pathogenesis,	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology

			hormone replacement therapy & other additional therapeutic regimens.		
Amenorrhea	During the rotation	Dr. Nadia Mheidat	<p>1.Primary amenorrhea: outflow tract anomalies, end-organ disorders, central disorders ( hypothalamic pituitary).</p> <p>2.Secondary amenorrhea: anatomic abnormalities, ovarian failure, polycystic ovarian disease, hyperprolactinemia associated amenorrhea, disruption of the hypothalamic-pituitary axis.</p> <p>3. Diagnostic evaluation &amp; treatment.</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>
Abnormalities of the Menstrual Cycle.	During the rotation	Prof. Asma Basha Dr Nadia Mheidat	<p>1. Dysmenorrhea: primary dysmenorrheal (diagnosis &amp; treatment), secondary dysmenorrhea (cervical stenosis &amp; pelvic adhesions).</p> <p>2.Premenstrual syndrome &amp; premenstrual dysphoric disorder (pathogenesis &amp; treatment)</p> <p>3.Abnormal uterine bleeding:</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>

			<p>menorrhagia, hypomenorrhea, metrorrhagia &amp; menometrorrhagia, oligomenorrhea &amp; polymenorrhea.</p> <p>4. Dysfunctional uterine bleeding: diagnosis &amp; treatment.</p> <p>5. Postmenopausal bleeding.</p>		
Hirsutism & Virilism	During the rotation	Dr Nadia Mheidat	<p>1. Normal &amp; pathologic androgen synthesis.</p> <p>2. Adrenal disorders: cushing syndrome &amp; congenital adrenal hyperplasia.</p> <p>3. Functional ovarian disorders: polycystic ovarian syndrome, theca lutein cysts, stromal hyperplasia &amp; hyperthecosis &amp; ovarian tumors.</p> <p>4. Drugs &amp; exogenous hormones</p> <p>5. Idiopathic hirsutism</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers Illustrated obstetrics and gynecology</p>
Contraception & Sterilization	During the rotation	Dr Fida Thekrallah	<p>1. Natural methods (periodic abstinence, coitus interruptus &amp; lactational amenorrhea)</p> <p>2. Barrier methods &amp; spermicides (condoms,</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated</p>

			<p>diaphragms &amp; cervical caps)</p> <p>3. Intrauterine devices (method of action, effectiveness, advantages &amp; disadvantages)</p> <p>4. Hormonal contraceptive methods (oral, injectable, vaginal rings).</p> <p>5. Emergency contraception</p> <p>6. Surgical sterilization (tubal sterilization &amp; vasectomy)</p>		obstetrics and gynecology
Infertility & Assisted Reproductive Technologies	During the rotation	<p>Prof. Kamil Fram</p> <p>Prof. Shawqi Saleh</p> <p>Prof. Asma Basha</p> <p>Dr. Nadia Mheidat</p>	<p>1. Female factor: ovulatory, peritoneal/tubal, endometriosis, uterine &amp; cervical factors.</p> <p>2. Male factor: abnormal semen, endocrine disorders, environmental exposures, genetic, sexual dysfunction &amp; structural factors.</p> <p>3. Combined male &amp; female factor.</p> <p>4. Ovulation induction &amp; medications used in the treatment of infertility.</p> <p>5. Advanced reproductive</p>	OSCE Written exam Daily tutorials	<p>Hacker &amp; Moore's Essentials of Obstetrics and Gynecology</p> <p>Gynecology by Ten teachers</p> <p>Illustrated obstetrics and gynecology</p>

			technologies: (IVF, ICSI, PGD)  6. Induction of Ovulation and ovarian hyperstimulation techniques		
Neoplastic Disease of the Vulva & Vagina	During the rotation	Prof. Kamil Fram  Dr .NaserHusban.	1.Preinvasive neoplastic disease of the vulva (vulvar intraepithelial neoplasia &paget disease of the vulva).  2.Cancer of the vulva (diagnosis, staging & treatment)  3.Preinvasive disease of the vagina  Cancer of the vagina (diagnosis, stages & treatment)	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Cervical Neoplasia & Cervical Cancer	During the rotation	Prof. Kamil Fram	1.Cervical intraepithelial neoplasia (pathogenesis, epidemiology, diagnosis & treatment)  2.Cervical cancer: pathophysiology, epidemiology, diagnosis, clinical staging & treatment.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Endometrial Cancer	During the rotation	Prof. Kamil Fram.  Dr. Amal Barakat	1. Pathogenesis, epidemiology, risk factors, clinical manifestations, diagnostic evaluation, treatment & follow up.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers Illustrated obstetrics and gynecology

Ovarian & Fallopian Tube Tumor	During the rotation	Prof. Kamil Fram	1.Ovarian tumors 2.Epithelial tumors 3.Germ cell tumors 4.Sex cord-stromal tumors 5. Cancer of the fallopian tubes.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology
Gestational Trophoblastic Disease	During the rotation	Dr Naser Husban	1.Benign gestational trophoblastic disease (complete & partial molar pregnancies)  2. Malignant gestational trophoblastic disease: persistent/invasive moles, choriocarcinoma & (PSTT) placental site trophoblastic tumors.	OSCE Written exam Daily tutorials	Hacker & Moore's Essentials of Obstetrics and Gynecology  Gynecology by Ten teachers  Illustrated obstetrics and gynecology

## 21. Teaching Methods and Assignments:

ILOs are achieved through the following teaching methods:

1. Lectures and seminars
2. Teaching rounds, outpatient clinic attendance
3. Case presentations
4. Tutorials
5. Assignments, reports and projects.
6. Attending In-patient Floors and learn clinical assessment, and management methods supervised by consultants and residents.
7. Attending the delivery room and learning clinical assessment, examination and management of normal labor, attending operative deliveries and caesarean sections.
8. Attending in operation theatres for observing and sometimes scrubbing in gynecological procedures & operations if the clinical condition permits.

**22. Evaluation Methods and Course Requirements:****Evaluation of ILOs achievement is done by the following assessment methods:**

1. OSCE examination end of the 8 weeks rotation: 30%
2. End of year Final Exam: 50 %
3. Attendance, Dress code. Case sheet preparation and evaluation: 20%, This is converted to 100% and is divided as 30% attendance, 20% end of rotation clinical assessment examination and 50% general evaluation.

**23. Course Policies:**

1. Attendance policies: Attendance of all lectures, seminars, teaching round and daily activity are counted in the evaluation of each of student which represents 30% of the evaluation mark
2. Exceeding the permissible days for absences from the clinical rotation without an acceptable excuse, leads to loss of the whole mark for the attendance 30%.
3. Health and safety procedures.
4. Honesty policy regarding cheating, plagiarism, misbehavior
5. Grading policy: evaluation, OSCE, final written exam.
6. Available university services that support achievement in the course:

**24. Required equipment:**

1. Classroom with whiteboard and projectors.
2. College library.
3. Internet.
4. Skills lab.

**25. References:****Required book (s), assigned reading and audio-visuals:**

1. Hacker & Moore's Essentials of Obstetrics and Gynecology
2. Gynecology by Ten teachers
3. Illustrated Obstetrics and Gynecology.
4. E –learning site for the college.

**Recommended materials, and media:**

Lecture Notes, from seminars prepared by the consultants or fellows and given by them, recorded online lectures.

**26. Additional information:**

Student in consultant groups at JUH are divided into subgroupsto increase the clinical rotation benefits, and to increase the students' exposure to the different areas in the department.

External lecturers: The number of part timers was also increase in order to insure the proper subgroup teaching.

The department recently appointed a full-time lecturer, to aid in the delivery of lectures, seminars and supervision of students during clinical sessions.

Revised by Prof Asma Basha and Dr Nadia Muhaidat on 10/10/2023

Name of Course Coordinator: **Dr FidaThekrallah.** Signature: ----- Date: -----

Name of Course Coordinator: **Dr FidaThekrallah.** Signature: ----- Date: ----- Head of curriculum committee/Department: **Dr. Asma Basha.** , Signature: -----

Head of Department**Prof . Asma Basha.** Signature: -----

Head of curriculum committee/Faculty: ----- Signature: -----

Dean: ----- Signature: -----

Copy to:



- Dean, School of Medicine
- Head of Department
- Assistant Dean for Quality Assurance

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of curriculum committee/Department: **Prof. Asma Basha.** , Signature:  -----

Head of Department **Prof . Asma Basha.** Signature: -----

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Copy to: