****

Gynecology-Obstetrics - Junior ILOs

(7224401)

**Monday 25 November 2019**

AN-NAJAH NATIONAL UNIVERSITY

DEPARTMENT OF MEDICINE

# Course Outline

* **Course Details**

|  |  |
| --- | --- |
| Course Title | Gynecology-Obstetrics - Junior |
| Course Number | 7224401 |
| Prerequisite(s) | Biomedical Sciences Degree GPA > 2.5, TOFEL ITP > 500, IELTS > 6.5 |
| Course Type:  | Compulsory |
| Credit Hours | 8 |

* **Class Details**

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| --- | --- |
| Weeks | 8 weeks |
| Time | 5 days/ week 8:00 am- 2:00 pm and 6 (24 hours) on-calls in addition to 4 (2-hour) Lectures/ week. |
| Location | An-Najah National University Hospital and Ministry of Health Hospitals affiliated to An-Najah National University in the northern of West Bank |

* **Course Description and Objectives**

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| This Eight-week course provides the students with the basic knowledge of common obstetrics and gynecology diseases. It also focuses on providing the students with the basic skills of history taking and skills of conducting physical examination relevant to obstetrics and gynecology. At the end of this course students are expected to generate appropriate assessment of common obstetrics and gynecology disease presentations including generating differential diagnosis and able to utilize laboratory and imaging facilities to reach appropriate diagnosis. Students are also exposed to the care of adult and adolescent female patients in a hospital setup. It also includes women’s health issues related to reproductive health and fertility, pregnancy, lactation, cancer, obesity, and stress related issues Management of common disorders is discussed. Preventive medicine related to health during pregnancy and birth control is also emphasized. |

# Textbooks and References

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| --- |
| Textbook(s) |
| 1. **Hacker & Moore's Essentials of Obstetrics and Gynecology 6th edition, 2015 -With STUDENT CONSULT Online Access.** By [Neville F. Hacker MD](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_1?ie=UTF8&field-author=Neville+F.+Hacker+MD&text=Neville+F.+Hacker+MD&sort=relevancerank&search-alias=books) (Author), [Joseph C. Gambone DO MPH Executive Editor](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_2?ie=UTF8&field-author=Joseph+C.+Gambone+DO++MPH++Executive+Editor&text=Joseph+C.+Gambone+DO++MPH++Executive+Editor&sort=relevancerank&search-alias=books) (Author), [Calvin J. Hobel MD](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_3?ie=UTF8&field-author=Calvin+J.+Hobel+MD&text=Calvin+J.+Hobel+MD&sort=relevancerank&search-alias=books) (Author)
2. **Gynaecology by Ten Teachers, 20th Edition and Obstetrics by Ten Teachers, 20th Edition -With STUDENT CONSULT Online Access**. By [Louise Kenny](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_1?ie=UTF8&field-author=Louise+Kenny&text=Louise+Kenny&sort=relevancerank&search-alias=books) (Editor), [Helen Bickerstaff](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_2?ie=UTF8&field-author=Helen+Bickerstaff&text=Helen+Bickerstaff&sort=relevancerank&search-alias=books) (Editor), [Jenny Myers](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_3?ie=UTF8&field-author=Jenny+Myers&text=Jenny+Myers&sort=relevancerank&search-alias=books) (Editor)
3. **USMLE Step 2 CK Lecture Notes 2019: Obstetrics/Gynecology-With STUDENT CONSULT Online Access**. By [Kaplan Medical](https://www.simonandschuster.co.uk/authors/Kaplan-Medical/22941946)
 |
| References |
| * **Hacker & Moore's Essentials of Obstetrics and Gynecology 6th edition, 2015 -With STUDENT CONSULT Online Access.** By [Neville F. Hacker MD](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_1?ie=UTF8&field-author=Neville+F.+Hacker+MD&text=Neville+F.+Hacker+MD&sort=relevancerank&search-alias=books) (Author), [Joseph C. Gambone DO MPH Executive Editor](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_2?ie=UTF8&field-author=Joseph+C.+Gambone+DO++MPH++Executive+Editor&text=Joseph+C.+Gambone+DO++MPH++Executive+Editor&sort=relevancerank&search-alias=books) (Author), [Calvin J. Hobel MD](https://www.amazon.com/s/ref%3Ddp_byline_sr_book_3?ie=UTF8&field-author=Calvin+J.+Hobel+MD&text=Calvin+J.+Hobel+MD&sort=relevancerank&search-alias=books) (Author)
* **Published Scientific papers.**
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# Textbook Cover



# Topics and Teaching Methods

**Specific objectives:**

|  |  |  |
| --- | --- | --- |
|  | **Title** | **Objective** |
| 1 | Ectopic pregnancy  | * the pathology of ectopic pregnancy
* symptoms and signs and diagnosis of ectopic pregnancy
* basic principles of management
 |
| 2 |  D. M & pregnancy  | * effect of pregnancy on DM and effect of DM on pregnant patient and fetus
* principles of screening for DM during pregnancy
* principles of care of diabetic mothers during pregnancy, labour and after delivery
 |
| 3 | Infertility Management  | * definitions of infertility and types
* basic investigations for infertile couple
* basic management of infertile couple
 |
| 4 | Rh- Isoimmunization | * the pathophysiology of disease
* effects of the disease on course of pregnancy and outcome
* basic management of the condition
 |
| 5 | Antenatal Care | * aims of antenatal care
* patterns of antenatal care
* principles of antenatal care
 |
| 6 | Dysfunctional uterine bleeding | * the pathophysiology of disease
* basic investigation for women with abnormal uterine bleeding
* basic medical and surgical treatment options
 |
| 7 | Hypertensive Disorders in Pregnancy | * classifications of the disease
* pathophysiology of preeclampsia
* effect of preeclampsia on pregnancy and complication of the disease
* principles of management of preeclampsia and its complications
 |
| 8 | Endometriosis | * pathophysiology of the disease
* symptoms and signs of the disease
* effect of the disease
* principles of various surgical and medical treatment
 |
| 9 | Anteparum hemorrhage(APH)  | * definition and causes of APH
* complications of the disease
* principles of management of this condition
 |
| 10 |  Pelvic inflammatory disease( PID) | * pathophysiology of the disease
* symptoms and signs of the disease
* effect of the disease
* principles of various surgical and medical treatment
 |
| 11 | Abortion and miscarriage | * definition and types of abortions
* symptoms and signs of various types of abortion
* principles of management of this condition
 |
| 12 | Genital prolapse  | * pathophysiology and classification of genital prolapse
* symptoms and signs of the condition
* principles of surgical and medical treatment
 |
| 13 | Uterine fibroids | * pathophysiology of the disease
* symptoms and signs of the condition
* principles of various surgical and medical treatment
* options
 |
| 14 | Menopause & HRT  | * pathophysiology of the disease
* symptoms and complications of menopause
* principles of management of this condition
* types and complications of HRT
 |
| 15 | Anemia in pregnancy  | * hematological changes during pregnancy
* causes of anemia in pregnancy
* effect of anemia on the mother and fetus
* basic investigations and management of anemia during pregnancy
 |
| 16 | Preterm labor &PROM | * definition and cause of preterm labor and PROM
* complication of preterm labor and PROM
* symptoms and signs of this condition
* principles of diagnosis and management
 |
| 17 | Multiple Pregnancy | * types and etiology of multiple pregnancy
* diagnosis of multiple pregnancy
* complications of this pregnancy
* basic principles of management of multiple pregnancy during pregnancy and delivery
 |
| 18 | Amenorrhea | * definitions of amenorrhea and types
* etiology of this condition
* basic investigations for this condition
* basic principles of management of this condition
 |
| 19 | Endometrial cancer | * epidemiology of this type of cancer
* classifications of this cancer
* symptoms and signs of this disease
* basic principles of investigations and treatment
 |

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| --- | --- | --- |
| 20 | Ovarian tumors | * epidemiology of this type of tumors, benign and malignant
* classifications of this condition
* symptoms and signs of these tumors
* basic principles of investigations and treatment
 |
| 21 | Gestational trophoblastic disease (GTD) | * epidemiology of this condition
* classifications of this condition
* symptoms and signs of molar pregnancy and its complications
* basic principles of investigations and treatment
 |
| 22 | Carcinoma of cervix | * epidemiology of this condition
* classifications of pre invasive and invasive cervical disease
* principles of cervical cancer screening
* symptoms and signs of cervical cancer
* basic principles of investigations and treatment
 |

**Seminars & Group discussed Subjects**

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| --- | --- | --- |
|  | **Title** | **Objective** |
| 1 | Mechanism of Labor | * anatomy and types of female pelvis
* definition of various terms used in labor
* basic mechanisms of labor in cephalic presentations
 |
| 2 | Puerperium | * definition
* physiological changes during puerperium
* management of various complications during this period
 |
| 3 | Assessment of Fetal Growth Pattern | * definitions of normal and abnormal fetal growth
* determinants of fetal growth
* basic principles of different methods used in fetal growth assessment
 |
| 4 | Normal Labor | * definition and stages of normal vaginal delivery
* principles of management in each stage of labor
* basic principles of drugs used during normal labor
 |
| 5 | Prolonged Pregnancy& Induction of Labour | * definition and etiology of prolonged pregnancy
* principles of assessment of patient with prolonged pregnancy
* principles of different methods of induction of labor
* complications of prolonged pregnancy and induction of labor
 |
| 6 | Mal- presentations | * definition and types of malpresentations
* principles of diagnosis and management of various malpresentation during labor
 |
| 7 | Family Planning and Contraception | * mechanism of conception and pregnancy
* classifications of family planning methods
* indications and complications of each method
* approach to patients seeking family planning
 |
| 8 | Postparum hemorrhage (PPH) | * definition and types of PPH
* etiology of PPH
* principles of management of primary and secondary PPH
* Complications of PPH
 |
| 9 | Vaginal discharge&STD | * causes and types of abnormal vaginal discharge
* basic principles of diagnosis and treatment of patients with abnormal vaginal discharge and sexually transmitted diseases
 |
| 10 | Coagulation Disorders in Pregnancy | * pathophysiology of this condition
* etiology of this condition
* principles of diagnosis and management of this disorder
 |
| 11 | Drugs in Pregnancy | * classification of drugs used in pregnancy
* complications of common drugs used in pregnancy
* how to safely use drugs in pregnancy
 |
| 12 | Medical Disorders in Pregnancy | * effect of pregnancy on common medical problems
* effect of common medical problems in pregnancy
* basic principles of care of pregnant women with medical disorders including multidisciplinary care
 |
| 13 | Urinary problems in pregnancy  | * pathophysiological changes of urinary system during pregnancy
* epidemiology of urinary tract infections in pregnancy
* symptoms and signs and management of UTI during pregnancy
* basic principles of management of pregnant women with chronic urinary problems
 |
| 14 | Analgesia and Anesthesia in Obstetrics | * pathophysiology of pain during labor
* basic principles of different types of analgesia and anesthesia in each stage of labor
* complications of various methods of analgesia on the mother and her baby
 |
| 15 | Embryology and Anatomy  | Demonstrate understanding of embryology and anatomy of: * External genitalia
* Vagina
* Uterus
* Fallopian tubes
* Ovaries
* Clinical presentation of transverse vaginal septum
* Imperforate hymen (clinical picture and management)
 |
| 16 | Physiological changes in pregnancy | * Demonstrate understanding of the normal physiological

changes that occur in pregnancy including; * Integumentary system
* Cardiovascular system
* Hematologic system
* Respiratory system
* Gastrointestinal system
* Genitourinary system
* Neurological system
* Endocrine system
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# Updates and Advances in OB/GYN:

Students are involved in all of the hospital’s teaching activities including attending morning reports, Journal Clubs, lectures, seminars and Rounds. Updates on guidelines, Case study discussions and other advances in OB/GYN are usually a part of the Morning report, Journal Clubs and Mid-day activities. Students are involved in carrying out presentations in selected topics and cases nominated by their teaching physicians.

# Integration with Health system and Community

A valued focus on the most common issues in the Palestinian community which includes Family planning and contraception, antenatal care, gynecological malignancy and others. This is more obvious in morning reports, journal clubs and mid-day activities. Students are also in courage to do medical days that takes a picture of increasing awareness campaigns in the local Palestinian community that includes posters, brochures, and presentations that are all written and held in the common Arabic language that addresses all the community.

* **Topics Covered in Clerkships:**

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| --- | --- |
| **Week** | **Topics** |
| 1 | History and physical examination with common terminology. Normal and Abnormal labor |
| 2 | Early pregnancy complications and bleeding  before 20 weeks.Induction of labor.Assisted vaginal delivery.Episiotomy. |
| 3 | PROM and preterm labor.Late pregnancy complications and bleeding.Hypertensive disease in pregnancy. |
| 4 | Fetal surveillance in pregnancy.Postpartum complications.IUGR and Macrosomia. Malpresentation. Multiple gestation.   |
| 5 | Operative delivery.Common medical conditions in pregnancy. |
| 6 | Pelvic inflammatory disease.Common genital tract infections. |
| 7 | Disorders of menstrual cycle Benign and malignant diseases of uterus, cervix and ovary. |
| 8 | Benign and malignant diseases of uterus, cervix and ovary.Pelvic prolapse. |

# Assessment

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| --- | --- | --- |
| **Exam Format** | **Note** | **Weight (%)** |
| OSCE-exam | Practical exams done after the end of the clerkship on real patients to evaluate the medical knowledge of students, ability to take medical history, clinical skills and communication with patients. It includes one long case station of 10 minutes duration. In addition to one dry station in which there are 4 to 5 cases-questions with pictures, that students answer according to their knowledge in basic imaging and lab tests. | 25% |
| Written exam | An exam done at the end of the academic year to evaluate the medical knowledge. Moreover, these exams were provided from the National Board of Medical Examiners (NBME) in USA which is an independent, not-for-profit organization that serves the public through its high- quality assessments of healthcare professionals. | 60% |
| Evaluation  | Evaluation during rotation which depends on: daily attendance of morning report, educational rounds, clinical skills, basic medical procedures, group discussions, seminars, lectures attendance, student attitude and respect for patients and team. | 15% |
| Written cases and Log book | Students are required to write 10 full cases that includes History, Vital sings, Physical examination, Labs, Imaging and Differential diagnosis. A Log book which is provided to students at the beginning of their clerkship which contains the basic and required skills and procedures for their level should be filled and handed by the end of the clerkship. |
| Total |  | 100% |

# Student Evaluation Form During Clerkships

# OB/GYN Log book

**OBGYN Logbook:**

1. **10 case presentations with history, physical examination, differential diagnosis & most relevant Labs**

1. **Two topic presentations arranged by Clinical Instructors**

**Skills to be acquired or observed**

|  |  |
| --- | --- |
| **The Activity** | **Clinical instructor signature** |
| PV Exam( performed) |  |  |  |  |  |  |  |  |
| Speculum Examination |  |  |  |
| Normal vaginal delivery |  |  |  |  |  |
| Vacuum assisted vaginal delivery |  |
| Forceps assisted vaginal delivery |  |
| Episiotomy & its repair |  |
| Detailed fetal ultrasound |  |  |
| Pap smear |  |  |
| D&C |  |  |
| **E&C** |  |  |

# Important Dates

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| --- |
| * **At the end of the Clerkship: OSCE Exam**
* **At the end of the Academic year: Written Exam**
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# Teaching and Learning Methods

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| **Tools** |
| 1. Lectures.
2. Small-group teaching.
3. Problem-based or case-based learning.
4. Peer assisted learning.
5. Bed-side teaching.
6. Clinical demonstrations.
7. Clinical skills laboratory training.
8. Field exercises in the community.
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# Course **Policies**

* Students should attend all the activities mentioned above during this clerkship every day, and do the required on-calls.
* The maximum allowed absence is 10% of the clerkship’s duration and this only in case of an accepted situation evaluated by the Department of Medicine.
* Students are not allowed to have even a single day off without an accepted reason evaluated by the department of medicine. In that case, 2 points of the clerkship total will be subtracted and this will be added to the student file record.
* Students are required to fill the Log book in by the end of their Clerkship.