

STUDY GUIDE

FOURTH YEAR and FINAL YEAR COURSE

2026-27



Department of Obstetrics & Gynaecology
King Edward Medical University, Lahore

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OBJECTIVES OF CURRICULUM

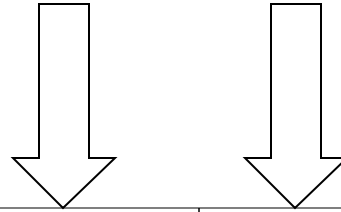
General objectives of under graduate Obstetrics and Gynaecology training are

To equip them with essential knowledge, skill and attitude to enable them:

1. Identify pregnancy its complications and gynaecological diseases including emergencies, provide primary health care, refer to appropriate centre and provide follow-up to the patients.
2. Perform essential required skills.
3. Communicate effectively with the patient, the family and the community regarding disease and its relevant issues.
4. Understand medical ethics and its application, pertaining to pregnancy and surgery and maintain the confidentiality of the patient.
5. To understand the prevalence and prevention of the common obstetrical problems and gynaecological diseases in the community.
6. Understand the principles of medical research including fundamentals of Information Technology.
7. Develop soft skills as teamwork, communication skills, professionalism, leadership and management skills

CURRICULUM MAP

You will study details here



First year	Second Year	Third Year	Fourth Year	Final Year	House Job
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You are entering in years of clinical classes. Here you are going to study General Principles in Obstetrics and Gynaecology along with other subjects. IN Final year you are supposed to get lectures and ward rotations also. 2 weeks maternity duty is to further enhance skill learning. In the final assessment you will be assessed in all aspects of Obstetrics and gynaecology. So, learn carefully and revise it very often till your final professional examination. You will be guided to develop your study skills by the faculty along the way.

STRUCTURE OF FOURTH and FINAL YEAR MODULE

- Apart from other subjects in Fourth Year (Community Medicine, Pathology, Eye, and ENT) the structure of the modules taught in obstetrics & Gynaecology will be:

Lectures are incorporated in modular/hybrid system in fourth year, every lecture is of 45 minutes duration. At the end of every Lecture feedback from the students would be collected for quality assurance and evaluation by QEC

- Total — lectures
- Collective feedback alongwith results are provided during lectures after Class Tests.
- In Final Year: The whole curriculum is divided into 9 modules; each module will be covered during this year. 16 Sections of obstetrics and gynaecology are integrated in these 9 modules
- 65 lectures each of 45 minutes duration will be delivered, lectures are on Friday and Saturday distributed over modules . At the end of every Lecture feedback from the students would be collected for quality assurance and evaluation By QEC
- Seven lectures are scheduled for written assessment in class (MCQs and SEQs)
- Every student has to go through clinical Attachment or ward rotation for 8 weeks (2 weeks in 4 unit of Department). It will include ward rotation and 2 weeks of maternity duty. At the end of each ward rotation ward test in the form of OSPE and long case presentation/ viva is conducted.
- In maternity duty you have to complete the maternity book by filling in the maternity cases
- Ward cards are to be filled on daily basis in wards and attendance signed
- Attendance mandatory :

Time Tables

INTRODUCTION

Dear Student,

Welcome to the Fourth and Final year Obstetrics and Gynaecology Course. You will spend with us whole year in fourth year and whole year in final year (3— hours) learning the different aspects of the subject. We hope that you will enjoy it. You will find the details of the syllabus at the end of this study guide. Please go through it for fine details and more information.

The basic sciences courses you had in the last three years are pre-requisites for this basic course particularly Anatomy, Physiology, and Pathology. Please refresh your knowledge as this will help you in the forthcoming subject.

This Study Guide is not a list of facts and information about diseases. It has not been designed to guide you through and recommend textbooks and other learning resources. It is designed to help you manage your learning and access to resources available to you.

For any assistance please do not hesitate to contact the Teaching faculty of Obstetrics and Gynaecology Department. (Details available at KEMU website, DME and student section office.)

Welcome again in Department of Obstetrics and gynaecology, three teaching units are there in the department to assist in your learning and we hope that your rotation in our department will be very fruitful and enjoyable and will equip you for future practical life.

With compliments from:
The Faculty of the Department of Obstetrics and gynaecology.

ASSESSMENT

Formative Assessment

Fourth year

Sr.#	Assessment	Tools	Frequency
1.	Class Tests	MCQs SEQs	One class test after every module

Formative Assessment Final Year (internal Assessment)

Sr.#	Assessment	Tools	Frequency
2.	Class Tests	MCQs SEQs	One class test after every module (Total :7)
3.	Ward Tests	OSPE Long viva(case discussion)	After every ward rotation Total 4
4.	Grand ward test	OSPE	After completion of final year ward rotation in gynae

Summative Assessment

Summative Assessment: Final Year

Sr.#	Assessment	Tools
1.	Obstetrics Written Assessment	30 MCQs 10 SEQs
	Gynaecology Written Assessment	30 MCQs 10 SEQs
3.	Skill Assessment	10-15 stations of OSPE
4.	Oral Assessment	2 long cases + 2 table viva (1 Obs & 1 Gynae)

Summative assessment will include 40 marks from internal assessment

ICONS

The following icons have been used to help you identify the various experiences you will be exposed to.

Learning objectives

Assessments



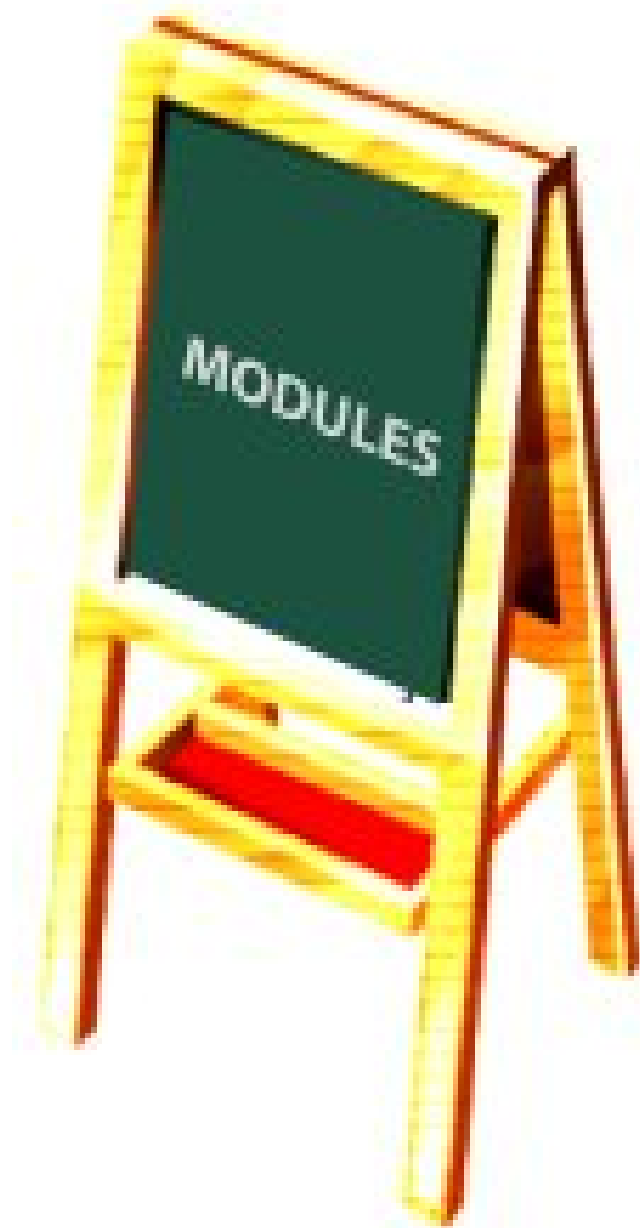
Learning Resources



Independent learning from the Internet



Specific Learning Objectives




Integration of Modules and Sections


Module no	Module name	Sections included	Lectures	Weeks
1	Basic concepts surgical care haemostatic disorders	A , B, I, J	11	5
2	CVS+ related disorders	C , E	8	4
3	CNS+respiratory	-	0	3
4	Acute care + trauma	D, E, G	8	4
5	Endocrine + breast	K,L	10	5
6	GIT	M, N, O	8	4
7	Hepatobilliary	E,F,D	10	5
8	Orthopaedics	-	0	2
9	Renal	L, P	2	2


Section	Obstetrics	Section	Gynaecology
A.	Orientation Module	I.	Orientation Module
B.	Early Pregnancy and antenatal care	J.	Reproductive Endocrinology
C.	Labour (Normal and Abnormal Labour)	K.	Contraception and Menopause
D.	Advance Obstetrics Module	L.	Urogynaecology and sexual health
E.	High Risk Module / Medical Disorders	M.	Benign Gynaecological Conditions
F.	Fetal Medicine	N.	Pre-Malignant & Malignant Conditions
G.	Puerperium	O.	Gynaecological Surgeries
H.	Neonate	P.	Ethics & Gender Base Violence

- Nine modules are scheduled in final year
- 16 sections of obstetrics and gynaecology are included and integrated in theses modules


- The table explains the distribution of sections in various modules and the lectures assigned to each module.


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section A: ORIENTATION MODULE IN OBSTETRICS	
Duration	Lectures	
Outcomes	<p>To acquire appropriate knowledge, skills and attitude in relation to topics mentioned below:</p> <ul style="list-style-type: none"> ● Introduction and history taking ● Examination and investigation ● Anatomy of female pelvis, types of pelvis, fetal head diameters ● Maternal Physiology ● Fetal growth and development 	
Specific learning Objectives 	Collect reliable and accurate information, do examination and justify investigations to reach a differential diagnosis Identify female pelvis and fetal skull diameters Identify risks factors in pregnancy Develop effective communication skills	
Teaching & Learning Strategies (MIT)	Lectures, small group discussion, bedside teaching, CBL, Bed side Teaching	
Assessments	MCQs, OSPE, Case presentation	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section B: Early Pregnancy and antenatal care	
Duration	Lectures:	
Outcomes	To understand and demonstrate the required knowledge, skill and attitude in Early Pregnancy Care Diagnosis of pregnancy Antenatal care Miscarriage Hyperemesis Common Minor problems of pregnancy Role of ultrasound in obstetrics	
Specific learning Objectives 	Understand application of basic concepts of conception, pregnancy physiology and ultrasound use in clinical scenario. Plan antenatal care	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture, small group discussion, CBL ● Audio Visual support ● Case Presentation 	
Assessments	MCQs, SEQs, OSPE/TOACS	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section C: Labour	
Duration	Lectures	
Outcomes	To understand and demonstrate appropriate skills and attitude in relation to the physiology, mechanism of labour. Pain management in labour maternal & fetal anatomy relevant to labour & delivery contributing factors for abnormal labour To identify malposition, malpresentation	
Specific learning Objectives 	Understand basic concepts of labour Demonstrate mechanism of labour Make and interpret partogram, CTG, BISHOP score Assist normal vaginal delivery & episiotomy Diagnose abnormal labour, risks, and demonstrate malpositions and malpresentations on dummy pelvis Communication and counselling skills	
Teaching & Learning Strategies (MIT)	Lecture Demonstration on dummy & pelvis Group discussion Labour ward duties One minute preceptor	
Assessments	MCQs, SEQs, OSCE	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section D: Advance Obstetrics Module	
Duration	Lectures	
Outcomes	Describe preterm labour and its management Understand basic concepts of PROM and amniotic fluid formation and its abnormalities and demonstrate appropriate skills and attitude in these conditions	
Specific learning Objectives	Diagnose, outline management Assist in managements and justify investigations Observe and understand significance of multi disciplinary approach	
Teaching & Learning Strategies (MIT)	Lecture Small group discussion Case base learning Case presentation/ bed side teaching	
Assessments	MCQs, SEQs, OSCE, case presentation	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section E: High Risk Module / Medical Disorders	
Duration	Lectures: 08	
Outcomes	To understand and demonstrate appropriate knowledge skills and attitudes in relation to history taking examination, investigations, procedural skills, and commensation in medical disorders of pregnancy and obstetric emergency , infections in pregnancy and important statistics	
Specific learning Objectives 	Medical disorders as Diabetes, pregnancy induced hypertension, epilepsy, haematological abnormalities, thyroid dysfunction, cardiac diseases in pregnancy Obstetrical Shock: Haemorrhage (APH, PPH), sepsis, VTE, amniotic fluid embolism, maternal collapse, uterine inversion and rupture, shoulder dystocia. TORCH infections, HIV & hepatitis Maternal and Perinatal mortality rates and significance	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture with Audio Visual support ● Case Presentation ● Group discussion ● Case base learning ● One minute preceptor, Drills ● Postnatal ward & Nursery visit 	
Assessments	MCQs, SEQs, OSCE, Case presentations	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section F: FETAL MEDICINE	
Duration	Lectures	
Outcomes	To understand demonstrate appropriate knowledge, skill and attitude in relation to causes & management of minor & major obstetrical complications in pregnancy	
Specific learning Objectives 	Risks associated with the conditions and outline the management plan of growth restriction, fatal anomalies detection, multiple pregnancies, RH isoimmunisation and its implications Effective communication and empathy	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Audio Visual support ● Group discussion ● Simulators / Role Play ● Case base learning ● Bedside Teaching 	
Assessments	MCQs, SEQs, OSCE, Case presentation	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section G: PUERPURIUM	
Duration	Lectures	
Outcomes	To understand and demonstrate appropriate knowledge, skill and attitude about puerperium and its common disorders	
Specific learning Objectives	Basic concepts of physiological changes in Puerperium, detect abnormalities, investigate and reach a differential diagnosis in pyrexia and mental illness in this period Skill of proper contraception selection and importance of breast feeding and its practices awareness Awareness about long term implications	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Audio Visual support ● Group discussion ● Case Presentation ● Postnatal ward round bedside teaching 	
Assessments	MCQs,SEQs,OSCE	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section H : NEONATE	
Duration	Lectures	
Outcomes	To understand and demonstrate and appropriate knowledge skill and attitude in relation to neonatal care and problems	
Specific learning Objectives 	Significance of breast feeding, Kangaroo mother Care, Early Essential Newborn Care. Neonatal immediate examination and Care, APGAR Score	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Audio Visual support ● Group discussion ● Case Presentation ● Postnatal ward & KMC ward round 	
Assessments	MCQs, OSPE	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section I : Orientation Module Gynaecology	
Duration	Lecture	
Outcomes	<p>To understand and demonstrate the knowledge, skills and attitude in relation to Introduction and history taking, Examination and investigation</p> <p>Physiology of menstrual cycle</p> <p>Miscarriages</p> <p>Ectopic pregnancy</p> <p>Gestational trophoblastic disease</p> <p>Abnormal development of female genital tract</p>	
Specific learning Objectives 	<p>Understands normal and abnormal menstrual cycle, diagnosis of early pregnancy complications and their implications</p> <p>Collect comprehensive information by proper history, examination and investigations</p> <p>Embryology of female genital tract , and congenital abnormalities of tract</p>	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Audio Visual support ● Case Presentation ● Small group discussion ● Bedside teaching ● One minute preceptor 	
Assessments	MCQs, SEQs, OSCE	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section J : Reproductive Endocrinology	
Duration	Lectures	
Outcomes	To understand and demonstrate the appropriate knowledge, skills and attitude in relation to Amenorrhoea, Adolescent gynecology PCO, Menstrual disorders(AUB, PCB, PMB, BEO) Infertility Endometriosis, Role of ultrasound	
Specific learning Objectives 	Clinical diagnosis and management outlines of amenorrhoea, PCOS & Abnormal uterine bleeding Management plans for sub fertile couples and understanding its social and emotional implications Observation of surgical procedures related to these Learning skills as pap smear, D&C	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> • Lecture with Audio Visual support • Case Presentation Case base leaning Skill demonstrations	
Assessments	MCQS, SEQs, OSCE, Case presentations	


Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section L : Contraception and Menopause	
Duration	Lectures	
Outcomes	To understand and demonstrate the knowledge, skills and attitude in relation to Contraceptive methods and Menopause & HRT	
Specific learning Objectives 	Understand mechanism of action, contraindications, non contraceptive benefits Post abortion care Menopause physiology and effects on life Skills of IUCD placement, observe other methods Attend family clinic, counselling for contraception Ethical, legal issues	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture with Audio Visual support ● Bed side teaching ● Group discussion ● Case base learning ● Skill demonstration ● One minute preceptor 	
Assessments	MCQs, SEQs, OSCE, Case presentation	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section L : Urogynaecology and Sexual Health	
Duration	Lectures	
Outcomes	To understand and demonstrate the appropriate knowledge, skills and attitude in relation to Pelvic floor problems, Uterovaginal prolapse, Sexually transmitted diseases and Pelvic inflammatory disease	
Specific learning Objectives 	Anatomy of pelvic supports, history & examination of prolapse Screening programs for STIs Management plans of sexually transmitted diseases, PID, observe swab collection	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Small group discussion ● Case Presentation 	
Assessments	MCQs, SEQs, OSCE, Case presentation	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section M : Benign Gynaecological Conditions	
Duration	Lectures	
Outcomes	To understand and demonstrate the knowledge, skills and attitude in relation to Benign Gynaecological conditions of vulva, vagina, cervix, uterus and ovaries	
Specific learning Objectives 	Make differential diagnosis with logical history, examination and relevant investigations with focus on fibroid uterus, adenomyosis, endometriosis, benign ovarian cysts and bartholin cyst. Understand effect on sexual function Sexual dysfunction	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Small Group discussion ● Case Presentation 	
Assessments	MCQs, SEQs, OSCE, long Case	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section N: Pre-Malignant & Malignant Conditions	
Duration	Lectures: 06	
Outcomes	<p>To understand and demonstrate the appropriate knowledge, skills and attitude in relation to Pre-Malignant & Malignant Conditions of the female genital tract</p> <p>Understand the pathogenesis of lower genital tract malignancy</p> <p>Understand the importance of cervical screening program</p>	
Specific learning Objectives 	<p>Classification of Tumors</p> <p>Sign and symptoms & outline management</p> <p>Make Differential Diagnosis</p> <p>Observe and do Pap Smear, endometrial sampling</p> <p>Observe colposcopy, laparoscopy, hysteroscopy</p> <p>Observe staging laparotomy & Hysterectomy</p>	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture ● Audio Visual support ● Small group discussion ● Case Presentation ● Operation theater rotation <ul style="list-style-type: none"> ● One minute preceptor 	
Assessments	MCQs, OSCE, Long case	

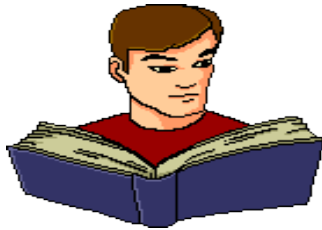
Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section O: Gynaecological Surgeries	
Duration	Lectures	
Outcomes	Understand regional anatomy, basic surgical principles, universal precautions for infection prevention Outline pre operative and post operative care of the patients	
Specific learning Objectives	Understand the principle of basic surgical skill Understand and observe steps of episiotomy, caesarean section, hysterectomy, endoscopies, endometrial sampling techniques Providing pre, intra & post operative care. Infection prevention practices(do scrubbing, gowning and gloving) importance of hand washing	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Lecture for knowledge component ● Small group discussion ● Operation theater rotation ● Skill demonstration 	
Assessments	MCQs, OSCE	

Title	Obstetrics & Gynaecology	Student Notes
Target Students	Final year	
Course Title	Section P: Ethics & Gender Base Violence, Patient Safety	
Duration	Lecture	
Outcomes	Understand and demonstrate the appropriate knowledge, skills and attitude relevant to Medical ethics Gender based violence Patient safety & Quality of care	
Specific learning Objectives 	Demonstrate awareness about individual patient needs, gender base violence, patient safety and quality of care Decision making and empathy Understands principles and legal issues around informed consent, data protection, respect for patient's beliefs	
Teaching & Learning Strategies (MIT)	<ul style="list-style-type: none"> ● Small group discussion ● Case base learning ● Ward rotation /role play ● One minute preceptor 	
Assessments	MCQs, OSCE	

SKILLS

In every module skills required are mentioned. To highlight the requirement a separate list of skills which you are expected to learn is given below. Procedural Skills will be assessed on maniquins.

Sr.	Skills Topic
01.	History taking & examination
02.	Vaginal delivery and repair of episiotomy
03	Foleys Catheterization
04	Cu-T Insertion
05	Breech Delivery
06	MVA – Manual vacuum aspiration
07	Mechanism of labour
08	Ventouse Delivery
09	Forceps Delivery
10	Active management of third stage of labour and retained placenta
11	Dilatation & Curettage
12	Pap Smear
13	Shoulder Dystocia
14	Postpartum Hemorrhage



LEARNING RESOURCES

RECOMMENDED BOOKS:

1. Obstetrics by Ten Teachers by Stuart Campbell and Christoph Lees. 20th Edition
2. Gynaecology by Ten Teachers by---- 20th edition
3. Dewhursts textbook of Obstetrics and Gynaecology Edited by D. Keith Edmonds 8th Edition
4. Essentials of Obstetrics and Gynecology by Neville F. Hacker, J. George Moore, and Joseph C. Gambone. 4th ed. 2004
5. Notes on Obstetrics & Gynecology. Stirrat, Mills, Draycott. 5th Ed. 2003
6. Text book of Obstetrics and Gynecology by Rashid Lateef
7. Obstetrics and Gynecology by Arshad Chauhan

Independent learning from the Internet

1. Online Journals and Reading Materials through HEC Digital Library Facility.
2. [www.rcog](http://www.rcog.org) guidelines
3. [www.nice](http://www.nice.org.uk) guidelines
4. Greentop guidelines

We hope you will find this guide a supportive tool for learning and improving your study skills