



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate MD degree of Obstetrics and Gynecology/ GYN600
(2) Department offering the programme.	Obstetrics and Gynecology
(3) Department responsible for teaching the course.	Obstetrics and Gynecology
(4) Part of the programme.	Second part
(5) Date of approval by the Department's council	27/7/2016
(6) Date of last approval of programme specification by Faculty council	2016
(7) Course title.	Obstetrics & Gynecology
(8) Course code.	GYN 621
(9) Total teaching hours.	345 hours + 225 practical
(10) Credit hours	23 hours

(B) Professional information

(1) Course Aims:

To provide the candidates with the details of different gynecological problems

(2) Intended Learning Outcomes (ILOs):

A- Knowledge and Understanding

To describe the most recent knowledge update in

- A1. Discuss Normal pregnancy
- A2. Review Abnormal pregnancy
- A3. Summarize Normal labour including analgesia & anesthesia
- A4. Recognize Abnormal labour
- A5. Explain Perinatal problems
- A6. Discuss Normal and abnormal Puerperium
- A7. Identify Operative obstetrics
- A8. Classify Maternal and Perinatal Mortality
- A9. Recognize Ultrasound in Obstetrics
- A10. Summarize Anatomy & development of the Female Genital Tract
- A11. Discuss Reproductive endocrinology and infertility
- A12. Identify Reproductive tract infections
- A13. Explain Displacements , traumatic lesions and urogynecology
- A14. Summarize Endometriosis - Adenomyosis
- A15. Classify Gynecologic oncology
- A16. Explain Breast Evaluation
- A17. Summarize Uterine fibroid
- A18. Review Female Genital Cutting (Mutilation)
- A19. Review Contraception
- A20. Discuss Infertility
- A21. Explain ART (assisted reproductive technology)
- A22. Discuss Laparoscopy
- A23. Explain Hysteroscopy

B- Intellectual skills

- B1. Integrate basic biomedical science with clinical care
- B 2. Analyze and prioritize problems.
- B 3. Evaluate information objectively, recognizing its limitations.
- B 4. Use personal judgment for analytical and critical problem solving.
- B 5. Construct appropriate management strategies.
- B 6. Retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence.
- B 7. Formulate research and scientific methods

C- Professional/practical skills

- C1: practice local Gynecologic and Obstetric examination on his own.
- C 2: To practice both normal and assisted vaginal deliveries.
- C 3: To perform efficiently Cesarean delivery for the different indications.
- C 5: employ laparotomy for the different indications including simple hysterectomy on his own
- C 6: practice level one laparoscopic surgery on his own.
- C 7: apply the different emergent surgical situations either in Obstetrics or Gynecology on his own.

D- Communication & Transferable skills

- D1: Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds
- D2: Communicate effectively with physicians, other health professionals, and health related agencies
- D3: Work effectively as a member or leader of a health care team or other professional group
- D4: Act in a consultative role to other physicians and health professionals
- D5: Maintain comprehensive, timely, and legible medical records, if applicable

Course content:

Subjects	Lectures	Clinical	Total Teaching Hours
Normal pregnancy			
Fertilization, Implantation and Early Development	3		
Placenta and placental function			
Amniotic Fluid - Fetal Circulation	3		
Maternal Physiological Changes During Pregnancy	3		
Diagnosis of Pregnancy			
Antenatal Care	1	3	
Abnormal pregnancy			
Vomiting During Pregnancy	3		
Abortion	3	4	
Vesicular Mole	3	4	
Ectopic Pregnancy	3	4	
Placenta previa	3	4	
Accidental Hemorrhage	3	4	
Hypertensive Disorders in Pregnancy	3	4	
Diabetes in pregnancy	3	4	
Cardiovascular Disease	3	4	
Anemias during pregnancy	3	4	
Premature Rupture of Membranes	3	3	
Rh Isoimmunisation	3	3	
High risk pregnancy	3	3	
Antepartum Assessment of Fetal Well-being	3	4	
Teratology	3		
Common Fetal Anomalies	3		
Urinary Tract Disorders with Pregnancy	3		
Prematurity and Preterm Labor	3	4	
Post Maturity	3	4	
IUGR	3	4	
Intrauterine Fetal Death	3	4	

Polyhydramnios and Oligohydramnios	3	4	
Normal labour including analgesia & anesthesia			
Fetopelvic Relationships	3	4	
Episiotomy	3	4	
Obstetric Analgesia and Anesthesia	3		
Female Pelvis and Fetal Skull	3		
Normal labor	3	4	
Abnormal labour			
Normal and Abnormal Uterine Action	1	4	
Contracted Pelvis and Cephalopelvic Disproportion	3	4	
Trial Labor	1		
Occipitoposterior position	3	4	
Face Presentation - Brow Presentation	3		
Breech Presentation	3	4	
Shoulder Presentation	3	4	
Complex Presentation Cord Presentation	3		
Multiple Pregnancy	3	4	
Macrosomia & Shoulder Dystocia	3	4	
Soft Tissue Obstruction - Obstructed Labor	3		
Uterine Rupture	3		
Genital Tract Injuries During Labor	3		
Abnormal Third Stage	3		
Postpartum Hemorrhage	3	4	
Perinatal problems			
Fetal Birth Injuries	5		
Fetal Asphyxia			
Normal and abnormal Puerperium			
Puerperium and Postnatal Care	3		
Puerperal Pyrexia			

Operative obstetrics			
Induction of Labor and Abortion	3	4	
Ecbolics			
Instrumental Deliveries in Modern Obstetric Practice	2	2	
Cesarean Section	3	2	
Version in modern obstetrics	3		
Maternal and Perinatal Mortality			
Maternal and Perinatal Mortality	3		
Ultrasound in Obstetrics			
• Ultrasound in Obstetrics	3	2	
Anatomy & development of the Female Genital Tract			
Anatomy of the Female Genital Tract	3		
Embryology of The Female Genital Tract	3		
Reproductive endocrinology and infertility			
Gynecological Endocrinology	3		
Physiology of the Menstrual Cycle	3		
Puberty	3	4	
Menopause	3	4	
Dysmenorrhea , Premenstrual Syndrome (PMS) Pelvic Pain	6		
Amenorrhea	3	2	
Sexuality and Sexual Dysfunctions	3		
Virilization in Females & Hirsutism	3	4	
Abnormal Bleeding from the Genital Tract	3	4	
Dysfunctional Uterine Bleeding (DUB)	3	4	
Reproductive tract infections			
Sexually Transmitted Diseases (STDs)	3		
Pelvic Inflammatory Disease (PID)	3	2	
Infections of the female genital tract	3	3	
Female genital tuberculosis Bilharziasis of the female genital tract	3	3	

Leukorrhoea Pruritus Vulvae	3		
Displacements , traumatic lesions and urogynecology			
Chronic inversion of the uterus	3		
Retroversion and Retroflexion (RVF)	3		
Genito-urinary fistulae	3	4	
Old Complete perineal tear Recto-vaginal fistula	3		
Urogenital Prolapse	3	4	
Female Urinary Incontinence	5		
Endometriosis - Adenomyosis			
Endometriosis - Adenomyosis	5	4	
Gynecologic oncology			
Introduction to gynecological oncology. Preinvasive diseases of the lower female Genital Tract.	3	4	
Physics & Biology of Radiotherapy	2		
Cysts and Swellings Related to Vulva Chronic Vulval Dystrophies (Dermatoses)	3	3	
Carcinoma of the Vulva	3	3	
Invasive Vaginal Cancer	3	3	
Carcinoma of the Cervix	3	3	
Endometrial Hyperplasia	3	2	
Carcinoma of the Body of the Uterus	3	3	
Ovarian Tumors	3	4	
Gestational Trophoblastic Disease (GTD)	3	4	
Breast Evaluation			
Breast Evaluation for the Gynecologist	3	1	
Uterine fibroid			
Uterine Fibroid	3	1	
Female Genital Cutting			
• Female Genital Cutting (Mutilation)	3		
Contraception			
• Contraception overview	3		

• Natural family planning	3		
• Barrier methods and spermicides	3		
• Hormonal contraception	4	1	
• IUDs	4	3	
• Sterilization	3	3	
Infertility			
• Infertility overview	3	1	
• Male factor	3	2	
• Ovarian factor	3	1	
• Tubal factor	3	4	
• Uterine and cervical	3	4	
• Immunologic factor and peritoneal factor	3	2	
• Anovulation and ovulation induction	4	4	
• PCOS	3	4	
• Hyperprolactinemia	3	1	
• Defects of corpus luteum	3	2	
• Lutenized unruptured follicle	3	4	
ART (assisted reproductive technology)			
• ART (assisted reproductive technology) overview	4	4	
• IUI	2	4	
• IVF	3	2	
• IVF, ICSI	3	4	
Laparoscopy & Hysteroscopy			
• Laparoscopy	2	3	
• Hysteroscopy	3	3	

	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	C5	C6	C7	C8	D1	D2	D3	D4	D5		
Normal pregnancy	x																							x		x	x	x	x	x	x							x	x	x	x	x			
Abnormal pregnancy		x																						x	x	x	x	x	x	x								x		x	x	x	x	x	
Normal labour including analgesia & anesthesia			x																					x		x	x	x	x	x	x	x								x	x	x	x	x	
Abnormal labour				x																				x	x	x	x	x	x	x	x	x	x						x		x	x	x	x	x
Perinatal problems					x																				x	x	x	x	x	x								x		x	x	x	x	x	
Normal and abnormal Puerperium						x																		x	x	x	x	x	x									x		x	x	x	x		
Operative obstetrics							x																	x	x	x	x	x	x				x					x		x	x	x	x		
Maternal and Perinatal Mortality								x																x	x	x	x	x	x										x	x	x	x	x		
Ultrasound in Obstetrics									x															x	x	x	x	x	x	x										x	x	x	x	x	
Anatomy & development of the Female Genital Tract										x														x	x	x	x	x	x											x	x	x	x	x	
Reproductive endocrinology and infertility											x													x	x	x	x	x	x											x	x	x	x	x	
Reproductive tract infections												x												x	x	x	x	x	x	x											x	x	x	x	x
Displacements , traumatic lesions and urogynecology														x										x	x	x	x	x	x	x										x	x	x	x	x	
Endometriosis -															x									x	x	x	x	x	x											x	x	x	x	x	

	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	C5	C6	C7	C8	D1	D2	D3	D4	D5				
Adenomyosis																																															
Gynecologic oncology															X										X	X	X	X	X	X	X	X					X	X	X		X	X	X	X	X		
Breast Evaluation																X									X	X	X	X	X	X											X	X	X	X	X		
Uterine fibroid																	X								X	X	X	X	X	X	X	X				X		X		X	X	X	X	X			
Female genital cutting																		X													X					X		X	X	X	X	X					
Contraception & family planning																			X						X	X	X	X	X	X	X			X						X	X	X	X	X			
Infertility																				X											X					X			X	X	X	X	X				
ART																					X																		X	X	X	X	X				
Laparoscopy																							X														X			X	X	X	X	X			
Hysteroscopy																								X																X	X	X	X	X			

(3) Teaching methods:

- 4.1: Lectures
- 4.2: Seminars
- 4.3: Meetings
- 4.4: Conferences
- 4.5: Outpatient clinics
- 4.6: Inpatient discussions
- 4.7 : Operative theater
- 4.8: Specialized clinics
- 4.9: Clinics

- 4.10: Operative theaters

(4) Assessment methods:

Percentage of each Assessment to the total mark.

Written exam: 240 marks + 40 marks (three different papers 90 + 90 + 60 +40)

MCQ : 60 marks + 10

OSCE: 200 marks

Structured oral : 200 marks

Operative: 100 marks

ILOs assessed by each method

Written exam : A1-A23, B1-B6,

MCQ : A1-A23, B1-B6,

OSCE : A1-A23, B1-B7, c1- c8 , D1-D5

(5) References of the course:

6.1- Gynecology by Staff Members (book of the Department)

6.2- William's manual of Gynecology

6.3- Te Lined's Operative Gynecology

- 6.4-** Progress in Obstetrics & Gynecology series
- 6.5-** Recent advances in Obstetrics & Gynecology series
- 6.6-** Year book of RCOG series

Course coordinator:

Dr. Rafik Barakat
Dr. Sara Abdelaziz

Head of the department:

Prof. Nasser Allakany

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