



## COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

### (A) Administrative information

(1) Programme offering the course.	Postgraduate degree MSc of Obstetrics and Gynecology GYN500
(2) Department offering the programme.	Obstetrics and Gynecology
(3) Department responsible for teaching the course.	Obstetrics and Gynecology
(4) Part of the programme.	<b>Second part</b>
(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.	<b>Obstetrics &amp; Gynecology</b>
(8) Course code.	GYN 521
(9) Total teaching hours.	255 hours + 150 hours practical
(10) Credit hours	17 hours

## **(B) Professional information**

### **(1) Course Aims:**

To provide the candidates with the basic knowledge about the common obstetric problems and their management

### **(2) Intended Learning Outcomes (ILOs):**

#### **A- Knowledge and Understanding**

- 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 under supervision .

C 2: Operate both normal and assisted vaginal deliveries under supervision .

C 3: Perform efficiently Cesarean delivery for the different indications under supervision .

C 4: Demonstrate the different types of contraceptive methods under supervision.

C 5: Employ laparotomy for the different indications including simple hysterectomy under supervision

C 6: Practice level one laparoscopic surgery under supervision.

C 7: Apply the different emergent surgical situations either in Obstetrics or Gynecology under supervision.

C 8: Perform minor surgical procedures on the female pelvic floor under supervision.

#### **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

**(3) Course content.**

Subjects	Lectures	Clinical	Total Teaching Hours
<b>Normal pregnancy</b>			
Fertilization, Implantation and Early Development	3		
Placenta and placental function			
Amniotic Fluid - Fetal Circulation	2		
Maternal Physiological Changes During Pregnancy	3		
Diagnosis of Pregnancy			
Antenatal Care	2	1	
<b>Abnormal pregnancy</b>			
Vomiting During Pregnancy	3		
Abortion	2	2	
Vesicular Mole	2	2	
Ectopic Pregnancy	2	2	
Placenta previa	2	2	
Accidental Hemorrhage	2	2	
Hypertensive Disorders in Pregnancy	2	2	
Diabetes in pregnancy	2	2	
Cardiovascular Disease	2	2	
Anemias during pregnancy	2	2	
Premature Rupture of Membranes	2	2	
Rh Isoimmunisation	2	2	
High risk pregnancy	2	2	
Antepartum Assessment of Fetal Well-being	1	2	
Teratology	2		
Common Fetal Anomalies			
Urinary Tract Disorders with Pregnancy	2		
Prematurity and Preterm Labor	2	2	
Post Maturity	2	2	
IUGR		2	

Intrauterine Fetal Death	2	2	
Polyhydramnios and Oligohydramnios	2	2	
<b>Normal labour including analgesia &amp; anesthesia</b>			
Fetopelvic Relationships	2	2	
Episiotomy		2	
Obstetric Analgesia and Anesthesia	2		
Female Pelvis and Fetal Skull	2		
Normal labor	2	2	
<b>Abnormal labour</b>			
Normal and Abnormal Uterine Action	2	2	
Contracted Pelvis and Cephalopelvic Disproportion	1	2	
Trial Labor	2		
Occipitoposterior position	2	2	
Face Presentation - Brow Presentation	2		
Breech Presentation	2	2	
Shoulder Presentation	2	2	
Complex Presentation Cord Presentation	2		
Multiple Pregnancy	2	2	
Macrosomia & Shoulder Dystocia	2	2	
Soft Tissue Obstruction - Obstructed Labor	2		
Uterine Rupture	2		
Genital Tract Injuries During Labor			
Abnormal Third Stage	2		
Postpartum Hemorrhage	2	2	
<b>Perinatal problems</b>			
Fetal Birth Injuries	2		
Fetal Asphyxia			

<b>Normal and abnormal Puerperium</b>			
Puerperium and Postnatal Care	2		
Puerperal Pyrexia			
<b>Operative obstetrics</b>			
Induction of Labor and Abortion	2		
Ecbolics		2	
Instrumental Deliveries in Modern Obstetric Practice	2	2	
Cesarean Section	2	2	
Version in modern obstetrics	2		
<b>Maternal and Perinatal Mortality</b>			
Maternal and Perinatal Mortality	2		
<b>Ultrasound in Obstetrics</b>			
• Ultrasound in Obstetrics		2	
Anatomy & development of the Female Genital Tract			
Anatomy of the Female Genital Tract	2		
Embryology of The Female Genital Tract	2		
<b>Reproductive endocrinology and infertility</b>			
Gynecological Endocrinology	2		
Physiology of the Menstrual Cycle	2		
Puberty	3	2	
Menopause	3	2	
Dysmenorrhea , Premenstrual Syndrome (PMS) Pelvic Pain	4		
Amenorrhea	2	2	
Sexuality and Sexual Dysfunctions	2		
Virilization in Females & Hirsutism	2	2	
Abnormal Bleeding from the Genital Tract	2	2	
Dysfunctional Uterine Bleeding (DUB)	3	2	
<b>Reproductive tract infections</b>			
Sexually Transmitted Diseases (STDs)	3		

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



• Female Genital Cutting (Mutilation)	3		
<b>Contraception</b>			
• Contraception overview	4		
• Natural family planning	4		
• Barrier methods and spermicides	4		
• Hormonal contraception	4	2	
• IUDs	5	2	
• Sterilization	4	2	
<b>Infertility</b>			
• Infertility overview	3	2	
• Male factor	2	2	
• Ovarian factor	2	2	
• Tubal factor	2	2	
• Uterine and cervical	2	2	
• Immunologic factor and peritoneal factor	2	2	
• Anovulation and ovulation induction	4	2	
• PCOS	2	2	
• Hyperprolactinemia	2	2	
• Defects of corpus luteum	2	2	
• Lutenized unruptured follicle	2	2	
<b>ART (assisted reproductive technology)</b>			
• ART (assisted reproductive technology) overview	3	2	
• IUI	2	2	
• IVF	2	2	
• IVF, ICSI	2	2	
<b>Laparoscopy &amp; Hysteroscopy</b>			
• Laparoscopy	3	3	
• Hysteroscopy	3	2	



	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	x	
Operative obstetrics							x																	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	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	x		
Endometriosis -															x									x	x	x	x	x	x					x			x	x	x	x	x	x		



**(4) 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: Delivery room**
- **4.9: Specialized clinics**
- **4.10: Clinics**
- **4.11: Operative theaters**

**(5) Assessment methods:**

Percentage of each Assessment to the total mark.

Written exam : 360 marks + 40 marks (optional course)

MCQ : 90 marks + 10 marks (optional course)

OSCE

Clinical : 300 marks

Oral : 150 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

**(6) References of the course:**

- 6.1-** Obstetrics by Staff Members (book of the Department )
- 6.2-** William's manual of Obstetrics
- 6.3-** Medical disorders in obstetrics by De Sweit
- 6.4-** Munro Kerr's Operative Obstetrics
- 6.5-** Progress in Obstetrics & Gynecology series
- 6.6-** Recent advances in Obstetrics & Gynecology series
- 6.7-** Year book of RCOG series

**Course coordinator:**

Dr. Rafik Barakat

**Head of the department:**

Prof. Nasser Allakany

**Date : 7/2016**