



PROGRAMME SPECIFICATION
Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme Title & Code	Master degree of Obstetrics and Gynecology (GYN 500)
(2) Final award/degree	MSc
(3) Department (s)	Obstetrics and Gynecology
(4) Coordinator	Prof. Mohamed Eltotongy Dr. Rafik Barakat
(5) External evaluator (s)	
(6) Date of approval by the Department's council	27/7/2016
(7) Date of last approval of programme specification by Faculty council	2016

(B) Professional information

(1) Programme Aims:

The broad aims of the Programme are as follows: (either to be written in items or as a paragraph)

- 1- To cover basic and applied science relevant to clinical practice of obstetrics & gynecology
- 2- to guide candidates to learn the important aspects of biological science that are relevant to the clinical practice of obstetrics & gynecology
- 3- to provide candidate with knowledge, skills and attitude in obstetrics & gynecology that specialist doctors in training must attain
- 4- to be able to incorporate these tools in the clinical work and to advice patient with their utility
- 5- to engage with scientific innovations to understand the opportunities and limitation of new technology and to be confident when appraising new technology through adequate grounding in clinical science

(2) Intended Learning Outcomes (ILOs):

On successful completion of the programme, the candidate will be able to:

A- Knowledge and Understanding

A1: Identify the Anatomy, Embryology, Physiology and molecular biology & pathology of the female reproductive system.

A2: Describe the female reproductive endocrinology including normal and abnormal puberty, menopause and fertility problems

A3: Explain reproductive health medicine including contraception, genital infection and sexually transmitted diseases.

A4: To understand the epidemiology, aetiology, biological behaviour, patho- physiology, clinical characteristics, prognostic features and management of: Menstrual disorders , Benign conditions of the genital tract, Problems of the climacteric, Pelvic pain, Vaginal discharge, Emergency gynaecology, Congenital abnormalities of the genital tract, Paediatric gynaecology & Puberty

A5: Recognize fertilization, early and late fetal development.

A6: Recognize normal and abnormal pregnancy including antenatal care.

A7: Identify normal and abnormal labor, normal and abnormal purperium, the newly born and fetal and maternal mortality.

B- Intellectual skills

B1. Integrate basic biomedical science with obstetrical & gynecological clinical care

B 2. Analyze and prioritize obstetrical & gynecological problems.

B 3. Evaluate women by means of clinical history taking and physical examination, recognizing limitations of given information.

B 4. Use personal judgment for analytical and critical problem solving in different aspects of obstetrics & gynecology.

B 5. Construct an appropriate management plan in conjunction with the obstetric/gynecological patient, cares (where relevant) and other members of the clinical team and communicates this effectively to the patient and cares (where relevant).

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. To interpret clinical audit cycles and the production and application of clinical standards, guidelines and care pathways, protocols and to plan a research project but more importantly demonstrate the skills to critically appraise scientific trials and literature in the field of obstetrics & gynecology

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) Academic standards.

3.a- External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs and structure of assessment of the programme.

Royal College of Obstetricians and Gynaecologists.

(www.rcog.org.uk)

3.b- Comparison of the specification to the selected external reference/ benchmark. the Benchmark are covered by the current programme

(4) Curriculum structure and contents.

4.a- Duration of the programme (in years or months): 36 month

4.b- programme structure.

Candidates should fulfill a total of 45 credit hours

●4.b.1: Number of credit hours:

First part: 5 Second part: 18 Thesis : 10 Log Book : 12

●4.b.2: Teaching hours/week:

First part: 75h Lectures : 9h/week Clinical/lab : 0 Total: 9/week

(الفصل الدراسي الأول)

Second part: 18 credit hours (الفصل الدراسي الثاني والثالث والرابع)

Compulsory Courses : 270h Lectures : 7h/week Clinical/lab : 7 Total: 14h/week

(5) Programme courses:

First part: 5 credit hours over 5 months duration

a- Compulsory courses:

Course Title	Course Code	Credit hours	NO. of hours per week				Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)	
			Theoretical		Laborator /practical	Field			Total
			Lectures	seminars					
• Applied anatomy and embryology	Gyn 501	¾	11.25				11.25	A1,A5, B1,B6	
• Physiology and endocrinology of reproduction	Gyn 503	¾	11.25				11.25	A1,2,5,6, B1-7	
• pathology of the female genital tract	Gyn 505	¾	11.25				11.25	A4,6,7, B1-7	
• Medical Microbiology, and immunology	Gyn 507	¾	11.25				11.25	A3,5,6, B1-7	
• Obstetrics medicine	Gyn 510 Gyn 501c	1	15				15	A6,7, B1-7,C1, D1-D5	
• Basic of general surgery	Gyn 520 Gyn 520c	1	15				15	B1-7, C3,5-8, D1-D5	

b- No Elective courses.

Second part : 40 credit hours over 15 months duration

a- Compulsory courses (thesis will be included in this table):

Course Title	Course Code	Credit hours	NO. of hours per week				Total teaching hours	Programme ILOs covered (REFERRING TO MATRIX)	
			Theoretical		Laboratory /practical	Field			Total
			Lectures	seminars					
Obstetrics & Gynecology	Gyn 521	17	3	2	1	4	255	A1,5,6,7, C1,2,3,5,7 B1-7, D1-5 A1,2,3,4, C1,5,6,7,8 B1-7, D1-5 A1,2,3 C4,6, B1-7, D1-5	
Thesis		10					150		
Clinical and practical		12					180		
Elective course	GYN 521 ART GYN 521 ECG GYN 521 FUI GYN 521 EI GYN 521 UOG	1					15		

Programme–Courses ILOs Matrix

Programme ILOs are enlisted in the first row of the table (by their code number: a1, a2.....etc), then the course titles or codes are enlisted in first column, and an "x" mark is inserted where the respective course contributes to the achievement of the programme ILOs in question.

Course Title/Code	Programme ILOs																															
	a1	a2	a3	a4	a5	a6	a7	a8		b1	b2b	b3	b4	b5	b6	b7		C1	C2	C3	C4	C5	C6	C7	C8		d1	d2	d3	d4	d5	
Applied anatomy and embryology	X				X					X	X	X	X		X																	
Physiology and endocrinology of reproduction	X	X			X	X				X	X	X	X		X																	
pathology of the female genital tract				X		X	X			X	X	X	X		X																	
Medical Microbiology, and immunology			X		X	X				X	X	X	X		X																	
Obstetrics medicine						X	X			X	X	X	X		X																	
Basic of general surgery										X	X	X	X		X					X		X				X						
Obstetrics	X				X	X	X	X		X	X	X	X	X	X	X	X		X	X	X		X		X			X	X	X	X	X
Gynecology	X	X	X	X				X		X	X	X	X	X	X	X	X		X				X	X	X	X		X	X	X	X	X
Reproductive medicine	X	X	X					X		X	X	X	X	X	X	X	X					X		X			X	X	X	X	X	

Course Title/Code	Programme ILOs																														
	a1	a2	a3	a4	a5	a6	a7		b1	b2	b3	b4	b5	b6	b7		C1	C2	C3	C4	C5	C6	C7	C8		d1	d2	d3	d4	d5	
1- To cover basic and applied science relevant to clinical practice of obstetrics & gynecology	x								x																						
2- to guide candidates to learn the important aspects of biological science that are relevant to the clinical practice of obstetrics & gynecology		x	x	x	x		x			x	x	x	x																		
3- to provide candidate with knowledge, skills and attitude in obstetrics & gynecology that specialist doctors in training must attain	x	x	x	x	x	x	x		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x	
4- to be able to incorporate these tools in the clinical work and to advice patient with their utility	x	x	x	x	x	x	X		x	x	x	x	x	x	x		x	x	x	x	x	x	x	x		x	x	x	x	x	
5- to engage with scientific innovations to understand the opportunities and limitation of new technology and to be confident when appraising new technology through adequate grounding in clinical science																											x	x	x	x	x

مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية لبرنامج الماجستير في قسم التوليد وامراض النساء

1- Knowledge and understanding

المقررات التي تحقق المعايير الاكاديمية للبرامج	ILOs	ARS Bench mark المعايير الاكاديمية لكلية طب المنصورة	NARS المعايير القومية الاكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير)
• Applied anatomy and embryology	A1	<ul style="list-style-type: none"> To understand and demonstrate the following Surgical anatomy of the pelvis and abdomen. Detailed functional anatomy of abdominal wall, abdominal cavity and pelvis, their contents, relevant bones, joints, muscles, blood vessels, lymphatics, nerve supply and histology. Understanding of breast and endocrine gland anatomy. Organisation and structure of the cell and its organelles. Histological appearances of the pelvic organs, breasts, endocrine glands, hypothalamus and pituitary. Anatomical adaptations to pregnancy. Breast changes in pregnancy. Anatomical interpretation of fetal and maternal images from X-ray, ultrasound and magnetic resonance imaging. Obstetric anatomy of the pelvis and abdomen. Changes during late pregnancy and in labour. Mechanism of childbirth. 	1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.
• Physiology and endocrinology of reproduction	A1- A3	<p>To understand and demonstrate the following</p> <ul style="list-style-type: none"> Principles of fluid and electrolyte and acid-base balance. Methods of measurement of clinically important physiological variables. Physiology of wound healing. Cardiovascular, respiratory, urinary and gastrointestinal physiology. Fluid and electrolyte balance in the perioperative period. Nutritional physiology in health and disease. Blood transfusion. Physiology of liver and nervous system. Physiology of pregnancy. Fetal physiology and its development with fetal growth. Cellular physiology of the major organ systems in the nonpregnant and pregnant state. Acid-base, fluid and electrolyte balance in healthy and pathological pregnancy. Endocrinology of pregnancy. The placenta as an endocrine gland. 	1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.
• pathology of the female genital tract	A1	<p>To understand and demonstrate the following</p> <ul style="list-style-type: none"> Quality control, diagnostic accuracy of tests. Obtaining and handling tissue for diagnostic tests. Trauma, infection, inflammation and healing of tissues. Effects of radiotherapy, cytotoxics, hormones on tissues. Ilyperplasia, neoplasia, atrophy. Disturbance in blood flow, neoangiogenesis, shock, infarction, abnormal coagulation. Renal failure, sepsis (localised and general) e.g. septicaemia. 	1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.

		<ul style="list-style-type: none"> • Effect of pregnancy • on disease and disease on pregnancy. Teratogenesis • Lung, renal, cardiac pathology Haematological and conn tissue disorders. Immunosuppressive drugs • Placental site and implantation and its abnormalities (e.g. placenta accreta). • Pathology of miscarriage. ectopic pregnancy, trophoblastic disease. • Pathology, histology, and classification of gynaecological cancers and premalignant conditions. Field change effects. Aetiological factors. Cervical cytology. Pathology of pain and transmission of pain signals centrally. • Pathological conditions of the bladder, urethra and vagina. 	
<ul style="list-style-type: none"> • Medical Microbiology, and immunology 	<p>A1</p>	<p>To understand and demonstrate the following</p> <ul style="list-style-type: none"> • Biology of micro-organisms encountered in surgical practice. Principles of infection control and outbreak management • Biology of micro-organisms in the post surgical patient. Principles of antimicrobial prophylaxis and wound care • infection in pregnancy. Screening for infection. Virus bleogy. • Infectious complications of pregnancy and their management Fetal impact of maternal infection • Infection and its management in labour and delivery. • Puerperal sepsis. Infection and its management in the postpartum period. • Infectious diseases in gynaecological practice. • Pelvic inflammatory disease and its effects on fertility. • Sexually transmitted infections. • infective factors predisposing to pregnancy loss and ectopic pregnancy • HPV and other viral origins of cancer. • Urinary tract infection. • Innate and acquired immunity. • Organisation of immune system. Cells and Immoral elements of adaptive immunity. • immunogenetics and principles of antigen recognition. Hypersensitivity. Immunology of graft rejection and immune responses in infection, inflammation and trauma. • Matemofetal immunology. • immunology of pregnancy. The fetus as an allograft. • Isoimmunisation. • Immunology of tissue grafting and graft rejection. immune responses to infection, inflammation and trauma. Graft versus host reaction, autoimmunity, immunisation and immunosuppression. • Principles of reproductive immunology. 	<p>1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.</p>

		<ul style="list-style-type: none"> • Immunology of pregnancy and miscarriage. • Tumour surveillance and immunotherapy. 	
<ul style="list-style-type: none"> • Basic of general surgery 	A1	<ul style="list-style-type: none"> • To understand and demonstrate appropriate knowledge in relation to basic surgical skills • To understand and demonstrate appropriate knowledge, in relation to postoperative care • To understand and demonstrate appropriate knowledge, in relation to surgical procedures 	1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.
<ul style="list-style-type: none"> • General medicine medicine 	A3,A4	<p>Understand the epidemiology, aetiology, pathophysiology, clinical characteristics, prognostic features and management of:</p> <ul style="list-style-type: none"> ▪ Hypertension , kidney disease, heart disease, liver disease, circulatory disorders, haemoglobinopathies, connective tissue diseases , disorders of carbohydrate metabolism, endocrinopathies , gastrointestinal disorders, pulmonary diseases, connective tissue diseases, bone and joint disorders, psychiatric disorders, infectious diseases, neurological diseases Maternal complications due to pregnancy, Able to describe the natural history of diseases and illnesses that run a chronic course, Have knowledge of long term management plans for chronic conditions 	1- Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice.
<ul style="list-style-type: none"> • Obstetrics & Gynecology 	A2 A3 A4 A5 A6 A7	<ul style="list-style-type: none"> • To understand and demonstrate the appropriate knowledge, to perform assessment of women by means of clinical history taking and physical examination. • To demonstrate effective time management. • Manage difficulties of language, physical, educational and mental impairment, with carers and family members as appropriate • Use interpreters and health advocates appropriately. Maintain focus and recognise that relatives may be affecting decisions made by a woman • Manage alternative and conflicting views from family, carers, friends and members of the multidisciplinary team. • Assimilate history from the information available from women and other sources including members of the multidisciplinary team • Manages time and draw consultation to a close appropriately • Show empathy and develop rapport • Acknowledge and respect cultural diversity • Acknowledge the the significance of psychological factors of a woman and her relatives • Demonstrate an awareness of the interaction of social 	<p>2- Mutual influence between professional practice and its impacts on the environment.</p> <p>5- The concepts and principles of quality of the professional practice in the area of specialization.</p>

		<p>factors with the woman's condition</p> <ul style="list-style-type: none"> • Demonstrate an awareness of the impact of health problems on the ability of a woman to function at work and at home • Appreciate the importance of timely dictation, cost-effective use of medical secretaries and increasing use of electronic communication • Have realistic expectations of tasks to be completed, and timeframe for tasks • Have the ability to prioritise workload Appreciate the internal signs of one's own stress and ask for help. Be willing to consult, and work as part of a team • Recognise when self or others are falling behind and take steps to rectify the situation and communicate changes in priority to others • Be receptive to feedback on performance and work flexibly, effectively and efficiently. Be willing to take advice, and change in the light of new information • Remain calm in high pressure situations and adopt a timely, rational approach • Appropriately recognise and handle uncertainty within a consultation • Recognise limits of own professional competency and only practices within these limits • Recognise and respects the request for a second opinion • Recognise the importance of induction for new members of a team • Recognise the importance of prompt and accurate information sharing with Primary Care team following hospital discharge • Respect patients' views • Respect the skills and contributions of colleagues • Be committed to good communication whilst also inspiring confidence and trust • Offer choices • Acknowledge and respect diversity <p>Use appropriate non verbal communication</p>	
<ul style="list-style-type: none"> • Obstetrics & Gynecology 	<p>A2 A3</p>	<ul style="list-style-type: none"> ▪ To understand and demonstrate the knowledge, to provide appropriate teaching, learning opportunities, appraisal, assessment and mentorship. 	<p>3- Scientific developments in the field of specialization</p>

	A4 A5 A6 A7	<ul style="list-style-type: none"> ▪ To acquire the knowledge to cope with and understand the ethical and legal issues which occur during the management of obstetric and gynaecological patients ▪ To understand and demonstrate the appropriate knowledge, in the context of taking consent and confidentiality ▪ To have an understanding of the context, meaning and implementation of the legal framework for practice. ▪ To know and understand professional, legal and ethical codes of practice. 	4- Moral and legal ethics of the professional practice in the area of specialization.
• Obstetrics & Gynecology	A2 A3 A4 A5 A6 A7	<ul style="list-style-type: none"> ▪ To understand and demonstrate the appropriate knowledge, in the context of taking consent and confidentiality ▪ To have an understanding of the context, meaning and implementation of the legal framework for practice. ▪ To know and understand professional, legal and ethical codes of practice. 	1- Theories, concepts and specialized knowledge of the learning area and a sciences appropriate to the professional practice. 6- The basics and ethics of scientific research.

B- Intellectual skills

المقررات التي تحقق المعايير الأكاديمية للبرامج	ILOs	ARS Bench mark المعايير الأكاديمية لكلية طب المنصورة	NARS المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير)
<ul style="list-style-type: none"> Applied anatomy and embryology 	B1, B6	<ul style="list-style-type: none"> Integrate basic anatomy and embryology with clinical care of obstetrics & gynecology Analyze and prioritize anatomical problems related to obstetrics & gynecology. Interpret, analyze, and evaluate anatomical information related to obstetrics & gynecology objectively, recognizing its limitations. Use personal judgment for analytical and critical problem solving related to anatomical problems of obstetrics & gynecology. Construct appropriate management strategies for anatomical problems of obstetrics & gynecology. Retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence. 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
<ul style="list-style-type: none"> Physiology and endocrinology of reproduction 	B1 ,B2,B3,B6	<ul style="list-style-type: none"> Integrate basic physiology with clinical care of obstetrics & gynecology Analyze and prioritize physiological problems related to obstetrics & gynecology. Evaluate physiological information objectively, recognizing its limitations in obstetrics & gynecology. Use personal judgment for analytical and critical problem solving of physiological problems related to obstetrics & gynecology . Construct appropriate management strategies of physiological problems related to obstetrics & gynecology . Retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence. 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
<ul style="list-style-type: none"> pathology of the female genital tract 	B1, B2,B3, B6	<ul style="list-style-type: none"> To integrate basic pathology with clinical care of Obstetrics & Gynecology To analyze and prioritize pathological problems related to Obstetrics & Gynecology. To evaluate pathological information objectively, recognizing its limitations in Obstetrics & Gynecology. To use personal pathological judgment for analytical and critical problem solving in Obstetrics & Gynecology. To construct appropriate management strategies of pathological problems related to Obstetrics & Gynecology. 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.

		<ul style="list-style-type: none"> To retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence. 	
<ul style="list-style-type: none"> Medical Microbiology, and immunology 	B1, B2,B3, B6	<ul style="list-style-type: none"> Integrate basic microbiology and immunology with clinical care in Obstetrics & Gynecology Analyze and prioritize microbiology and immunology problems related to Obstetrics & Gynecology Interpret, analyze, and evaluate microbiology and immunology information objectively, recognizing its limitations in Obstetrics & Gynecology Use personal judgment for analytical and critical microbiology and immunology problem solving in Obstetrics & Gynecology Construct appropriate management strategies for microbiological and immunological problems in Obstetrics & Gynecology Retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence. 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
<ul style="list-style-type: none"> Basic of general surgery 	B1 – B6	<ul style="list-style-type: none"> Integrate basic general surgery with operative care in Obstetrics & Gynecology Analyze and prioritize basic general surgery problems related to Obstetrics & Gynecology. Evaluate basic general surgery information objectively, recognizing its limitations in Obstetrics & Gynecology. Use basic general surgery judgment for analytical and critical problem solving in Obstetrics & Gynecology. Construct appropriate surgical management strategies in Obstetrics & Gynecology. Retrieve relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence. 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
<ul style="list-style-type: none"> General medicine 	B1 – B6	<p>Diagnose, investigate and manage, with direct supervision:</p> <ul style="list-style-type: none"> pregnancy-induced hypertension, thromboembolism, impaired glucose tolerance, insulin-dependent diabetes, essential hypertension, kidney disease, liver disease, maternal haemoglobinopathy, coagulation disorders, acute abdominal pain, asthma, inflammatory bowel disease, intercurrent infection, psychological disorders, infectious disease, epilepsy, endocrinopathies practice measurement of blood pressure 	1- Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.
<ul style="list-style-type: none"> Obstetrics & Gynecology 	B1 – B6	<ul style="list-style-type: none"> develop skills and attitudes to perform assessment of women by means of clinical history taking and physical examination. manage problems effectively, and to communicate well with women, relatives and colleagues in a variety of clinical situations. construct appropriate management strategies. 	2- Solve specific problems on the basis of limited and contradictory

		<ul style="list-style-type: none"> ▪ develop skills and attitudes in relation to antenatal care ▪ develop skills and attitudes in relation to maternal medicine ▪ develop skills and attitudes in relation to labour ▪ understand and demonstrate skills and attitudes in relation to management of delivery ▪ develop skills and attitudes in relation to postpartum problems ▪ develop skills and attitudes in relation to neonatal problems ▪ develop skills and attitudes in relation to common gynaecological disorders ▪ manage paediatric and adolescent gynaecological disorders. ▪ To develop skills and attitudes in relation to subfertility ▪ develop skills and attitudes in relation to fertility control (contraception and termination of pregnancy), the diagnosis and management of sexually transmitted infections including HIV and sexual dysfunction. ▪ There may be conscientious objection to the acquisition of certain skills within the contraception and abortion components, this does not mean that meeting the knowledge criteria is not required. Skills targets not attempted for these reasons should be clearly recorded in the logbook and signed off by a trainer. ▪ integrate respect women's rights, dignity and confidentiality whilst providing appropriate information and advice. ▪ develop skills and attitudes in relation to early pregnancy loss ▪ develop skills and attitudes in relation to Gynaecological Oncology ▪ develop skills and attitudes in relation to Urogynaecology and Pelvic Floor Problems 	<p>information.</p> <p>3- Demonstrate a high level of competence in the coordination of different sources of knowledge to solve professional problems..</p>
Obstetrics & Gynecology	B6	<ul style="list-style-type: none"> • develop the skills and attitudes to perform assessment of women by means of clinical history taking and physical examination. • manage problems effectively, and to communicate well with women, relatives and colleagues in a variety of clinical situations. • Construct appropriate management strategies. ▪ develop the, skills and attitudes in the use and management of health information. ▪ relate the context, meaning and implementation of clinical standards and governance. ▪ formulate the audit cycle, and to implement the research methodology. 	<p>3- Demonstrate a high level of competence in the coordination of different sources of knowledge to solve professional problems..</p>

Obstetrics & Gynecology	B7	<ul style="list-style-type: none"> ▪ develop the skills and attitudes in the use and management of health information. ▪ relate the context, meaning and implementation of clinical standards and governance. ▪ formulate the audit cycle, and to implement the research methodology. 	4- Carry out a research study and / or writing a scientific methodology study on research problem.
Obstetrics & Gynecology	B2 B3 B4 B5	<ul style="list-style-type: none"> • Manage difficulties of language, physical, educational and mental impairment, with carers and family members as appropriate • Use interpreters and health advocates appropriately. Maintain focus and recognise that relatives may be affecting decisions made by a woman • Manage alternative and conflicting views from family, carers, friends and members of the multidisciplinary team. • Assimilate history from the information available from women and other sources including members of the multidisciplinary team • Manages time and draw consultation to a close appropriately • Show empathy and develop rapport • Acknowledge and respect cultural diversity • Acknowledge the the significance of psychological factors of a woman and her relatives • Demonstrate an awareness of the interaction of social factors with the woman"s condition • Demonstrate an awareness of the impact of health problems on the ability of a woman to function at work and at home • Appreciate the importance of timely dictation, cost-effective use of medical secretaries and increasing use of electronic communication • Have realistic expectations of tasks to be completed, and timeframe for tasks • Have the ability to prioritise workload Appreciate the internal signs of one"s own stress and ask for help. Be willing to consult, and work as part of a team • Recognise when self or others are falling behind and take steps to rectify the situation and communicate changes in 	5- Assess and analyze risks of the professional practice in the field of specialization.

		<p>priority to others</p> <ul style="list-style-type: none"> • Be receptive to feedback on performance and work flexibly, effectively and efficiently. Be willing to take advice, and change in the light of new information • Remain calm in high pressure situations and adopt a timely, rational approach • Appropriately recognise and handle uncertainty within a consultation • Recognise limits of own professional competency and only practices within these limits • Recognise and respects the request for a second opinion • Recognise the importance of induction for new members of a team • Recognise the importance of prompt and accurate information sharing with Primary Care team following hospital discharge • Respect patients" views • Respect the skills and contributions of colleagues • Be committed to good communication whilst also inspiring confidence and trust • Offer choices • Acknowledge and respect diversity • Use appropriate non verbal communication 	
Obstetrics & Gynecology	B2 B5 B6	<ul style="list-style-type: none"> • Show awareness of and sensitivity to the way in which cultural and religious beliefs affect approaches and decisions, and to respond respectfully • Be able to break bad news Use interpreters appropriately • Be able to work effectively within a specialty team • Respect the opinions of others and enable individuals, groups and agencies to implement plans and decisions • Maintain and routinely practice critical self- awareness, including the ability to discuss strengths and weaknesses with supervisor, recognising external influences and changing behaviour accordingly • Facilitate, chair and contribute to meetings • Deal with problems and difficult colleagues by re- building rapport and articulating own views • Encourage staff to develop and exercise their own leadership skills • Utilises the expertise of the whole multidisciplinary team as 	<p>6- Plan to improve performance in the field of specialization</p> <p>7- Make career decisions in different professional aspects</p>

		<p>appropriate, ensuring when delegating responsibility that appropriate supervision is maintained</p> <ul style="list-style-type: none"> • Participates in, and co-ordinates, an effective hospital at night or hospital out of hours team where relevant; or participates in General Practice out of hours effectively • Communicates effectively with administrative bodies and support organisations • Employs behavioural management skills with colleagues to prevent and resolve conflict, and enhance collaboration • Demonstrate leadership and management in the following areas: <ul style="list-style-type: none"> • education and training of junior colleagues and other members of the healthcare team • deteriorating performance of colleagues e.g. stress, fatigue • high quality care • effective handover of care between shifts and teams • Encourage an open environment to foster and explore concerns and issues about the functioning and safety of team- working • Identify and improve skills to prepare effectively for negotiations and discussions that require ability to influence colleagues • Understand different styles and make the most of difficulties • Choose the right job Application interview process • Professional role of a consultant • Takes on different and complimentary roles within different communities within work • Support the bringing together of different professionals, disciplines and other agencies, to provide high quality healthcare • Be able to recognise and use learning opportunities • Be able to deal appropriately with challenging behaviour • Be able to recognise manifestations of stress on self and know where and when to look for support • Recognise own limitations • Balance personal and professional roles and responsibilities. Prioritise tasks, have realistic expectations of what can be completed by self and others • Recognise when personal health takes priority over work 	
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		<p>pressure</p> <ul style="list-style-type: none"> • Be able to gain informed consent 	
<p>Obstetrics & Gynecology</p>	<p>B1 B2 B4</p>	<ul style="list-style-type: none"> • Show awareness of and sensitivity to the way in which cultural and religious beliefs affect approaches and decisions, and to respond respectfully • Be able to break bad news Use interpreters appropriately • Be able to communicate both verbally and in writing with colleagues • Be able to work effectively within a specialty team • Respect the opinions of others and enable individuals, groups and agencies to implement plans and decisions • Maintain and routinely practice critical self- awareness, including the ability to discuss strengths and weaknesses with supervisor, recognising external influences and changing behaviour accordingly • Facilitate, chair and contribute to meetings • Deal with problems and difficult colleagues by re- building rapport and articulating own views • Encourage staff to develop and exercise their own leadership skills • Utilises the expertise of the whole multidisciplinary team as appropriate, ensuring when delegating responsibility that appropriate supervision is maintained • Participates in, and co-ordinates, an effective hospital at night or hospital out of hours team where relevant; or participates in General Practice out of hours effectively • Communicates effectively with administrative bodies and support organisations • Employs behavioural management skills with colleagues to prevent and resolve conflict, and enhance collaboration • Demonstrate leadership and management in the following areas: <ul style="list-style-type: none"> • education and training of junior colleagues and other members of the healthcare team • deteriorating performance of colleagues e.g. stress, fatigue • high quality care • effective handover of care between shifts and teams • Encourage an open environment to foster and explore concerns and issues about the functioning and safety of 	<p>7- Make career decisions in different professional aspects</p>

		<p>team- working</p> <ul style="list-style-type: none"> • Identify and improve skills to prepare effectively for negotiations and discussions that require ability to influence colleagues • Understand different styles and make the most of difficulties • Choose the right job Application interview process • Professional role of a consultant • Takes on different and complimentary roles within different communities within work • Support the bringing together of different professionals, disciplines and other agencies, to provide high quality healthcare • Be able to recognise and use learning opportunities • Be able to deal appropriately with challenging behaviour • Be able to recognise manifestations of stress on self and know where and when to look for support • Recognise own limitations • Balance personal and professional roles and responsibilities. Prioritise tasks, have realistic expectations of what can be completed by self and others • Recognise when personal health takes priority over work pressure • Be able to gain informed consent 	
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C- Professional practical skills

المقررات التي تحقق المعايير الأكاديمية للبرامج	ILOs	ARS Bench mark المعايير الأكاديمية لكلية طب المنصورة	NARS المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير)
<ul style="list-style-type: none"> • Basic of general surgery 	C1 – C2	<ul style="list-style-type: none"> • Employ laparotomy for the different indications including simple hysterectomy • Perform minor surgical procedures on the female pelvic floor. 	1- Apply modern and principle professional skills in the area of specialization.
<ul style="list-style-type: none"> • General medicine 	C1 – C3	<ul style="list-style-type: none"> • apply the different emergent medical situations in obstetrics • employ the different protocols related to different obstetrics medical situations • Have the ability to recognise the normal from abnormal 	1- Apply modern and principle professional skills in the area of specialization.
Obstetrics & Gynecology	C1 – C8	<ul style="list-style-type: none"> • perform appropriate teaching, learning opportunities, appraisal, assessment and mentorship. • demonstrate ethical and legal issues which occur during the management of obstetric and gynaecological patients • apply skills and qualities required to be become a consultant • experience challenging situations where negotiating, influencing and diplomacy are required • gain a thorough interpretation of administration processes with a vested interest in contributing towards the development of the service 	2- Write and evaluate technical reports. 3- Adopt assessment methods and tools existing in the area of specialization

D - Communication and transferable skills

المقررات التي تحقق المعايير الأكاديمية للبرامج	ILOs	ARS Bench mark المعايير الأكاديمية لكلية طب المنصورة	NARS المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير)
<ul style="list-style-type: none"> • Basic of general surgery 	D1-D5	<ul style="list-style-type: none"> • Communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds • Communicate effectively with physicians, other health professionals, and health related agencies • Work effectively as a member or leader of a health care team or other professional group • Act in a consultative role to other physicians and health professionals • Maintain comprehensive, timely, and legible medical records, if applicable 	1- Communicate effectively in different aspects.
<ul style="list-style-type: none"> • General medicine 	D1-D5	<ul style="list-style-type: none"> • Develop the skills to competently formulate list of differential diagnoses • Have the skills to request the relevant investigations to support the differential diagnosis • Competently demonstrate the skills to formulate a management plan • Have the ability to implement a plan of management and modify if necessary • Develop the skills to liaise effectively with colleagues in other disciplines, both clinical and non-clinical 	1- Communicate effectively in different aspects.
Obstetrics & Gynecology	D1-D5	<ul style="list-style-type: none"> • Demonstrate the ability to apply IT solutions in the management of patients • Adopt a proactive and enquiring attitude to new technology • Show how the use of audit can improve clinical practice • Listen to and reflect on the views of patients and carers, dealing with complaints in a sensitive and cooperative manner • Recognise the need for audit in clinical practice to promote standard setting and quality assurance • Have the skills to be able to discuss the relevance of evidence in the clinical situation • Aims for the best clinical practice (clinical effectiveness) at all times, as informed by evidence-based medicine • Recognises knowledge gaps and keeps a logbook of clinical questions • Keeps up to date with national reviews, key new research and 	2- Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice. 3- Adopt self-assessment and specify his needs of personal learning. 4- Use different resources for information and knowledge. 5- Establish rules and indicators for assessing the

		<p>guidelines of practice e.g. NICE and SIGN</p> <ul style="list-style-type: none"> • Acknowledge and show regard for individual patient needs when using guidelines • Be aware of advantages and disadvantages of guidelines and protocols, and use them appropriately. • Accept responsibility • 	<p>performance of others.</p> <p>6- Collaborate effectively within multidisciplinary team and lead teams in different professional contexts.</p> <p>7- Demonstrate a high level of competence in the time management.</p> <p>8- Continuous self-education.</p>

(6) Programme admission requirements.

● **General requirements:**

Previous degree: MBBCH

● **Specific requirements (if applicable):**

No

(7) Regulations for progression and programme completion.

To qualify for the award of the MSc with distinction, candidates must achieve an overall average mark of a 75% or more, with a mark of at least 75% being achieved in each course. To qualify for the award of the MSc, candidates must pass at least 60% of the final exam.

امتحان الجزء الاول

إجمالي	الدرجة			الافتبار	المقرر
	إكلينيكي	شفهي	MCQ		
٢٠٠		٨٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي
٢٠٠		٨٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي
٢٠٠		٨٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي
٢٠٠		٨٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي
٢٠٠	٤٠	٤٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي + إختبار إكلينيكي
٢٠٠	٤٠	٤٠	٢٤	٩٦	إختبار تحريري مدته ساعتان + إختبار شفهي + إختبار إكلينيكي
١٢٠٠	إجمالي الدرجة				

يتم حساب درجات الساعات المعتمدة بما يوازي ٢٠% من درجة الماجستير بعقد امتحان في نهاية كل مقرر على هيئة MCQ بأشكال مختلفة

الامتحان النهائي الشامل

إجمالي	الدرجة			الافتبار	المقرر
	إكلينيكي	شفهي	MCQ		
٩٠٠	١٥٠	٣٠٠	٩٠	٣٦٠	<p>Module 1 : توليد إختبار تحريري مدته ثلاث ساعات (الورقة الاولى) + إختبار شفهي + إختبار إكلينيكي</p> <p>Module 2 : أمراض النساء إختبار تحريري مدته ثلاث ساعات (الورقة الثانية) + إختبار شفهي + إختبار إكلينيكي</p> <p>Module 3 : الصحة الإنجابية إختبار تحريري مدته ثلاث ساعات (الورقة الثالثة) + إختبار شفهي</p>
٥٠			١٠	٤٠	امتحان تحريري مدته ساعة
٩٥٠	إجمالي الدرجة				

Methods of assessment

Written exam : A1-7, B1 – 7 ,

Oral exam: D1-5 , A1-7 , B1-7

Clinical- practical exam: c1-8

MCQ: A1-7, B1 – 7

Teaching methods :

- Lectures:
- Clinical rounds:
- Operative theater:
- Seminars :
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Evaluation of Programme's intended learning outcomes (ILOs):

Evaluator	Tools*	Sample size
Internal evaluator (s) Prof. Nasser Ellakany Prof. Mohamed Eltotongy		
External Evaluator (s) Prof. Mamdouh Shaban Assuit University		
Senior student (s)		
Alumni		
Stakeholder (s)		
others		

* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E_MAIL

We certify that all information required to deliver this programme is contained in the above specification and will be implemented. All course specification for this programme are in place.	
Programme coordinator: Name: Dr. Rafik Barakat Dr. Sara Abdelaziz	Signature & date:
Head of the department : Name: Prof. Nasser Ellakany	Signature & date:
Dean: Name: Prof. Elsaid Abdel Hady	Signature & date:
Executive director of the quality assurance unit: Name: Prof. Seham Gad Elhak	Signature & date: