



PROGRAM SPECIFICATIONS

Program Title:

MD of Gynaecology and Obstetrics

Code:

GOGO

Suez Canal University
Faculty of Medicine

Programme Specification

A- Basic Information

1- Programme Title: MD of Gynaecology and Obstetrics

2- Programme Type: Single Double Multiple

3- Department (s): Department of **Gynecology and Obstetrics**

4- Coordinator: Prof. Amal El Shahat

5- External Evaluator(s):

6- Date of programme specifications approval: the bylaws of the MD program in **Gynecology and Obstetrics** in the Faculty of Medicine, Suez Canal University were approved by the Supreme Council of Universities on 2016.

7- Date of specifications revision approval:

8- Number of credit points for this degree: 180 CP

B- Professional Information

1 – Overall Aims of Course

The overall goals of the program are to develop Obstetricians and Gynecologists with the following capabilities:

- Demonstrating adequate knowledge in diagnosis and managing different presentations of gynecologic and obstetric problems.
- Demonstrating competency in dealing with complications and risky conditions.
- Acquiring the knowledge and skills to cope with and to understand the ethical and legal issues which occur during the management of obstetric and gynecological patients.
- Developing research skills that enable them to conduct researches with sound methodology.
- Understanding and demonstrating the knowledge, skills and attitudes to provide appropriate teaching, learning opportunities, appraisal, assessment and mentorship.
- Understanding and demonstrating appropriate knowledge, skills and attitudes in the use and management of health systems.
- Understanding the context, meaning and implementation of clinical standards and governance.
- Engaging in Continuous Professional Development and Self-regulated learning.

2 – Intended Learning Outcomes of Course (ILOs)

By the end of the program, candidates should be able to:

a- Knowledge and Understanding:

- a1. Identify different gynecologic and obstetric problems and their underlying pathophysiologic bases.
- a2. Relate clinical presentations of the different gynecologic and obstetric problems to the basic sciences.
- a3. Acquire an up to date sufficient knowledge of Pathology relevant to the practice of obstetrics and gynecology
- a4. Discuss the detailed organization, innervations and mechanics of the female pelvis
- a5. Discuss gynecological and puerperal infections, their microbial causes, clinical presentation, laboratory diagnosis, prevention and treatment.
- a6. Identify vaccines and other prophylactic measures to prevent infections transmitted from the mother to the foetus.
- a7. Recognize the investigations options for gynecologic and obstetric conditions and their cost-effectiveness.
- a8. Define the patterns of symptoms in women presenting with obstetric and gynecological problems
- a9. Identify the organizational framework for clinical governance at local, regional and national levels
- a10. Describe the steps involved in conducting a research project.
- a11. Identify the principles of evidence based medicine and evidence based practice.
- a12. Explain the methods of infection control.
- a13. Explain the management protocols for the different gynecologic and obstetric problems.
- a14. Describe the preventive measures that could be applied to prevent different gynecologic and obstetric problems.
- a15. Identify family planning methods.
- a16. Recognize the guidelines for preconception, antenatal, and postnatal care, while emphasizing on the concepts of integrated care.
- a17. Demonstrate advances knowledge of biostatistics
- a18. Critically appraise research designs relevant to healthcare.
- a19. Effectively code, categorize and analyze data generated through the application of one methodology
- a20. Provide the major goals of an effective quality assurance program:
 - Evidenced of accountability for services rendered and compliances with standards of practice.
 - A defined mechanism to identify, measures and resolves, clinical issues related to practice.
 - A defined mechanism of evaluating quality indicators, collecting data, developing corrective action and assessing outcomes.

b- Intellectual Skills:

- b1. Develop differential diagnoses for different gynecologic and obstetrics presentations.

- b2. Plan for the management of the different gynecologic and obstetrics problems.
- b3. Plan for and select the suitable method of delivery based on the patient's status.
- b4. Select suitable family planning methods tailored for cases.
- b5. Develop comprehensive plans for antenatal and postpartum care.
- b6. Interpret the results of the different investigations performed for gynecologic and obstetrics conditions.
- b7. Select cases for referral based on the need for further evaluation and management.
- b8. Apply evidence based medicine principles in dealing with clinical conditions.
- b9. Integrate knowledge for decision making in dealing with different gynecologic and obstetric conditions.
- b10. Demonstrate the ability to set objectives and structure of educational session
- b11. Demonstrate the skills to evaluate a training event and act upon feedback.
- b12. Discuss the relevance of evidence in the clinical situation.
- b13. Demonstrate insight into research and scientific method through:
 - critical appreciation of methodology;
 - formulating research questions that are pertinent to medicine;
 - choice and application of appropriate quantitative and qualitative methodologies;
 - collecting, analyzing and interpreting data;
 - Analyzing and using numerical data (Use simple statistical methods)

c- Professional and Practical Skills

- c.1 Take and analyze an obstetric and gynecological history in a succinct and logical manner.
- c.2 Perform a reliable and appropriate examination.
- c.3 Perform investigations competently where relevant.
- c.4 Record and communicate concisely, accurately, confidentially and legibly the results of the history, examination, investigations, differential diagnosis and management plan.
- c.5 Anticipate future clinical events and plan appropriately.
- c.6 Break bad news sensitively.
- c.7 Facilitate the learning process.
- c.8 Use varied teaching strategies appropriate to audience and context (including one-to-one, small and large groups, formal lectures).
- c.9 Use audiovisual aids effectively.
- c.10 Prepare teaching sessions.
- c.11 Teach some practical procedures (including ultrasound).
- c.12 Retrieve and use data recorded in clinical systems.
- c.13 Undertake searches and access web sites, and health-related databases.
- c.14 Critically appraise publications and evaluate multicentre trials.
- c.15 Arrange preoperative management.
- c.16 Manage the different stages of labor.
- c.17 Use different surgical instruments effectively to deal with gynecologic and obstetric conditions.

- c.18 Choose appropriate operation
- c.19 Exhibit technical competence
- c.20 Make intra-operative decisions
- c.21 Manage intra-operative problems
- c.22 Manage complications and deal competently with unexpected complications
Demonstrate respect for woman's dignity and confidentiality.
- c.23 Conduct researches with sound methodology.
- c.24 Demonstrate the ability to promote healthy lifestyles.
- c.25 Respect and apply the principles of biomedical ethics during practice.
- c.26 Assist couples in selecting family planning methods suitable for their condition.
- c.27 Counsel couples about diagnosis and management options.
- c.28 Write informative postoperative reports.

d- General and Transferable Skills

- d.1 Perform self- and peer-assessment.
- d.2 Respect diversity and deal with different personalities.
- d.3 Demonstrate effective IT skills to facilitate work processes.
- d.4 Manage teams while applying principles of group dynamics.
- d.5 Apply principles of crisis and risk management.
- d.6 Communicate both verbally and in writing with colleagues.
- d.7 Present information clearly in written, electronic and oral forms.
- d.8 Demonstrate appropriate use of IT for patient care and for personal development.
- d.9 Demonstrate competent use of databases, word processing techniques, statistics programmes and electronic mail.
- d.10 Manage time and resources and set priorities.
- d.11 Deal with uncertainty and work within a changing environment.
- d.12 Teach effectively and act as a mentor to others.
- d.13 Work effectively within a team.
- d.14 Communicate effectively with individuals regardless of their social, cultural or ethnic backgrounds, or their disabilities.
- d.15 Motivate individuals or groups in order to improve awareness, learning and behavior that contribute to health living .
- d.16 Apply principles of advocacy, ethics and human rights and gender issues to care provision.

3- Academic Standards

3a External References for Standards (Benchmarks)

Academic Reference Standards for Postgraduate Education

3b Comparison of Provision to External References

4- Curriculum Structure and Contents

4.a- Programme duration: 5 academic years

4.b- Programme structure

The program consists of **First part 30 CP, Thesis 50 CP, and Second part 100 CP**

1. **The first part of the program:** 30 CP, its duration (15 weeks) for one academic semester. The first part comprises the following:
 - a. A course in Advanced Research Methodology planned and held in the Community Medicine Department of the Faculty of Medicine, Suez Canal University. This part includes 8 CP.
 - b. Two electives each one has 2 CP. The students should select 2 elective which has not been selected in the Master Degree.
 - c. A course of applied pathology, planned and held in the pathology Department. It includes 6 CP.
 - d. A course of Anatomy, planned in the Anatomy department. It includes 6 CP.
 - e. A course of Microbiology planned in the Microbiology department. It includes 6 CP.
- 2- **MD thesis:** 50 CP, no scores for thesis. The candidate has the right to register his/her thesis protocol after 6 months from the degree registration. The first time for thesis defense after two years from the date of the faculty council approval on the thesis protocol and passing the first part exam.
- 3- **The second part of the program:** 100 CP, its duration (75 weeks) for 5 consecutive academic semesters. The second part comprises the specialized courses in Gynecology and Obstetrics planned and held in the Gynecology and Obstetrics Department. This part lasts for 2 years ending by written and practical exams.

4bi- No. of credit Points: the MD program is 180 credit Point system.

Every credit point include 25 working hour (30% = 7 hours for face to face learning activities, and 70% =18 hours for self-learning activities).

4.b.i- No. of hours per week:

Lectures/tutorials: 4h/week

Practical/clinical: 24h/week

Total: 28h/week

5- Programme Courses

5.1- Level/Year of Programme: 1st part MD

Courses			Assessment				
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam
			No of Papers	Duration	Marks		
RB	Research methodology and Biostatistics	8	1	3 hours	160		
GOGO51	Applied pathology	6	1	3 hours	90	30	
GOGO52	Anatomy	6	1	3 hours	90	30	
GOGO53	Microbiology	6	1	3 hours	90	30	
E	Two Elective courses*	2+2	1+1	1 hour+1 hour	40+40		
Total		30 credit points			600 marks		

***Student should select one course of the following as an elective course:**

Two elective courses each one has 2 CP. The students should select two elective which has not been selected before in the Master Degree.

- E01 Evidence Based medicine (Community Department)**
- E02 Scientific Writing (Medical Education Department)**
- E03 Quality in Medical Education (Medical Education Department)**
- E04 Infection Control (Microbiology Department)**
- E05 Critical Appraisal (Community Department)**
- E06 Communication Skills (Medical Education Department)**

5.2 Level/Year of Programme: Second part MD

Courses			Assessment					
Code No.	Course Title	No. of Credit points	Written Exam			Oral exam	Practical or clinical Exam	Continues assessment *(Portfolio)
			No of papers	Duration	Marks			
GOGO54	Scientific and theoretical Course in Endemic and Internal medicine	30	3	3 hours For two paper and 1.5 for third paper	225 for two paper and 90 for third paper	180	540	540
	Practical training in endemic and internal medicine	60						

	**Scientific activities	10 (not included in the total marks)							
Total		100 credit points							

5.3 Thesis: A faculty senior & junior supervisor from the staff members are nominated by the department council to prepare a proposal of the thesis protocol after the selection of a subject that is complementary to the research plans of the department. Data collection, methodologies, study question, time table, ethical considerations and budget are formulated by the candidate under guidance of his supervisors into a research project. The research protocol is then peer-reviewed by two or more different staff members nominated by the Head of the department who share their ideas and comments with the supervisors to reach to the final form. The research protocol is discussed then openly in one of the department councils to be approved and diverted to the Faculty research committee where it is subjected to a critical appraisal to meet the research basic standards set by the committee. The final approvals of the research protocol are then issued by the committee of post graduate studies, the Faculty and University Council to be registered.

6-Program Admission Requirements

- The program accepts candidates with Masters in Gynecology and Obstetrics with a grade of GOOD at least.
- Registration for the program opens 2 times/year, according to the internal bylaws for postgraduate studies of the Faculty of Medicine, Suez Canal University.

7- Student Assessment Methods

- 7.1 Written (MEQ)** to assess the cognitive domain.
- 7.2 MCQs** to assess the cognitive domain
- 7.3 Oral Viva Cards** to assess higher cognitive and attitude domains.
- 7.4 Observations** to assess practical and presentation skills.
- 7.5 Portfolio** to assess the cognitive, psychomotor and the affective domains.

8- Weighting of Assessments

Type of exam	
First part (30 credit points= 600 mark)	
• Written exam	510
• Oral exam	90
• <u>Total</u>	600

Second part (100 credit points including 10 credit points not included in the total marks =1800 mark)

- Oral exam 180
- Practical exam 540
- Written exam 540
- Portfolio 540

Total 1800

9- Regulations for Progression and Program Completion

The regulations for program completion follow the general regulations for the Faculty of Medicine, Suez Canal University for MD approved by the Supreme Council of Universities. The program is considered complete with the accomplishment of 2 summative assessments (for the first and the second parts) and the defense of a thesis developed and submitted for the purpose of acquiring the degree.

First part

- Passing level 60% of total marks of the exam and at least 50% passing level of the total written exam marks

Second part

- Passing level 60% of total marks of the exam
- Passing level 60% total of practical and oral exam

Thesis/Assay

- Passing discussion is required for MD degree

8- Evaluation of Programme Intended Learning Outcomes

Evaluator	Tool	Sample
1- Senior students	Questionnaires	
2- Alumni	Questionnaires	
3- Stakeholders (Employers)	Interviews	
4-External Evaluator(s) (External Examiner(s))	Attending exam. (using checklist and/or rating scale)	
5- Other		

Head of Department: Prof. Amal El Shahat