

كلية: الطب

برنامج/ طب النساء والتوليد

*Republic of Yemen*  
**21 September University of Medicals & Applied Sciences**  
**Faculty of Medicine**

**Gynecology and Obstetric Medicine MD**  
**Program Specification**



**Preparation Committee:**

- 1-
- 2-
- 3-

**Program Coordinator:**

- 1-
- 2-

## Program Specifications of MD Gynecology and Obstetrics

### Introduction

The MD in Gynecology and Obstetrics is a five-year clinical doctorate program designed to prepare competent, ethical, and research-oriented specialists in women's reproductive health. The program offers comprehensive academic and clinical training in areas such as prenatal and postnatal care, high-risk pregnancy management, infertility, gynecologic surgery, and reproductive oncology. With a focus on hands-on experience, advanced diagnostics, and evidence-based practice, the program equips graduates to address maternal and neonatal health challenges locally and globally. Students also engage in scientific research and are expected to contribute to scholarly advancements in the field by publishing peer-reviewed work during their study.

### MD Gynecology and Obstetrics Program – General Information

| Field   | Information  |
|---|--|
| <b>Scientific name of the program</b>                       | MD in Gynecology and Obstetrics  |
| <b>The body responsible for granting the degree</b>         | 21 September University – Republic of Yemen  |
| <b>The body responsible for the program</b>                 | Faculty of Medicine – 21 September University  |
| <b>Departments participating in the program</b>             | Department of Obstetrics and Gynecology, Department of Radiology, Department of Pathology, Department of Surgery, Department of Pediatrics |
| <b>Study Language of the Program</b>                        | English  |
| <b>Starting year of the program</b>                         | 2025–2026  |
| <b>Study methods in the program</b>                         | Lectures, seminars, clinical rotations, skills labs, simulations, case-based learning, and research thesis                                 |
| <b>Location of Delivery</b>                                 | Faculty of Medicine – 21 September University and affiliated teaching hospitals  |
| <b>Study system</b>   | Semester-based credit hour system with clinical practicum and thesis   |
| <b>Number of years needed for completion of the program</b> | 5 years  |
| <b>Early exit option</b>                                    | Postgraduate Diploma in Reproductive Health Sciences (non-surgical track) after 2 years (if eligible)                                      |
| <b>Entry requirements</b>                                   | MBBS or equivalent medical degree, completion of internship  |
| <b>Minimum grade requirements</b>                           | Minimum "Good" grade ( $\geq 2.5$ GPA or 75%)  |
| <b>Other admission requirements</b>                         | Entry exam, interview, basic computer skills (ICDL), English language proficiency (TOEFL/IELTS)  |

|  |  |
|--|--|
| <b>Prepared by</b>                       | Department of Obstetrics and Gynecology, Faculty of Medicine |
| <b>Year of the program Accreditation</b> | 2025   |

| University Vision, Mission and Aims   |  |
|---|--|
| <b>University Vision</b> ■  |  |
| A Contemporary University with National Responsibility and Faith Identity   |  |
| <b>University Mission</b> ■   |  |
| Leadership of transformation headway in managing and providing the health care with all partners via having the distinction standard in education and applied and medical researches that meet the needs of Yemeni people and regional influence.   |  |
| <b>Aims of the University</b> ■   |  |
| <ul style="list-style-type: none"><li>• Ensuring the application of quality standards and having the distinction standards in medical and applied sciences, scientific research and community service.</li><li>• Adopting student-centered learning, the partnership with them for life, consolidating the principles of national responsibility and faith identity, looking after them and developing their capabilities after graduation and during work.</li><li>• Attracting and Eemploying scientists, cadres and talents to gain minds and put an end for the “brain drain” in a way that promotes and ensures the availability of thinkers, businessmen and good citizens.</li><li>• Developing the distinguished academic infrastructure continuously and establishing modern research and service centers with high efficiency that can give a real effect locally and regionally.</li><li>• Enhancing the university status as a preferred partner for local, regional and international partnership through implementing creative styles of education, exchanging researches and knowledge, and providing real and effective outcomes for developing professional practices to benefit from them locally and regionally.</li></ul> |  |

### Faculty Vision, Mission and Aims

#### Faculty Vision ▪

A distinguished Medical Faculty capable of competing locally and regionally.

#### Faculty Mission ▪

That the Faculty of Medicine be contemporary in providing a distinguished educational level based on creativity and innovation and a true partner in facing the main national health challenges and in treating patients with high quality based on research to solve problems that leads to integrated health care in an ethical context

#### Aims of the Faculty ▪

- Finding effective solutions for the university hospital, the infrastructure of the College and its annual budget.
- Addressing the gap in human resources adequately and efficiently, and developing them on a professional basis.
- Improving the quality and quality of the human medicine program in accordance with quality standards and national and international academic accreditation.
- Strengthening governance and management systems, consolidating decentralization, and practicing transparency and accountability.
- Building the students' abilities to think, analyze and solve problems in research methods that qualify them for the labor market and achieve their practical and professional aspirations in the future.
- Contribute to supporting scientific research directed on the basis of planning related to comprehensive development goals in Yemen.
- Forming a real and effective partnership with the community, its institutions and its counterparts in a national, Arab and international context

### Department Mission and Aims

#### Department Mission ▪

To advance women's health through excellence in teaching, clinical service, and scientific research in the field of Gynecology and Obstetrics, while upholding the highest standards of medical ethics and social responsibility.

#### Department Aims ▪

1. Provide outstanding education and training in the diagnosis, management, and prevention of gynecologic and obstetric conditions.
2. Conduct and support research addressing local and regional reproductive health priorities.

3. Deliver high-quality, compassionate care through university-affiliated hospitals and outreach programs.
4. Enhance faculty expertise through academic development and international collaboration.

### Program Mission and Aims

#### Program Mission ■

To provide specialized, research-based education and clinical training in Gynecology and Obstetrics that prepares graduates to deliver comprehensive, evidence-based reproductive healthcare, address maternal and neonatal challenges, and contribute to scientific advancements in women's health at both national and regional levels.

#### Program Aims ■

1. Equip students with advanced theoretical knowledge and clinical competencies in gynecology and obstetrics.
2. Train highly skilled professionals capable of handling routine and emergency reproductive health conditions.
3. Promote ethical medical practice and patient-centered care in women's health.
4. Develop research capacity among trainees to contribute to solutions for maternal, fetal, and neonatal health issues.
5. Foster professional development, lifelong learning, and leadership in clinical and academic gynecology and obstetrics.

### Program Benchmarks

The MD in Gynecology and Obstetrics program was developed according to national, regional, and international benchmarks to ensure academic excellence and global relevance. These include:

#### 1. National Standards:

- Ministry of Higher Education and Scientific Research – Yemen
- National Academic Reference Standards (NARS) for medical postgraduate programs

#### 2. Regional Accreditation Bodies:

- Arab Network for Quality Assurance in Higher Education (ANQAHE)

#### 3. International Universities with Similar Programs:

- [Cairo University– Egypt](#)

- [Home | Assiut University](#)
- [University of Toronto](#)
- [Harvard Medical School – USA](#)
- [King Saud University – Saudi Arabia](#)

#### 4. Professional Bodies:

- [Royal College of Obstetricians and Gynaecologists \(RCOG\)](#)
- [American College of Obstetricians and Gynecologists \(ACOG\)](#)

### Survey of Similar Accredited Programs at National and International Universities (Benchmarks)

| Attribute                                    | Program 1                     | Program 2                     | Program 3                     | Program 4                     | Program 5                     | Program 6                     | 21 September University         |
|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|
| <b>Program Title</b>                         | MD in Obstetrics & Gynecology | MD in Obstetrics & Gynecology | MD in Obstetrics & Gynecology | MD in Obstetrics & Gynecology | MD in Obstetrics & Gynecology | MD in Obstetrics & Gynecology | MD in Gynecology and Obstetrics |
| <b>College / Institute Name</b>              | Faculty of Medicine           | Faculty of Medicine           | Faculty of Medicine           | Faculty of Medicine           | College of Medicine           | Faculty of Medicine           | Faculty of Medicine             |
| <b>University Name</b>                       | Cairo University              | Assiut University             | Ain Shams University          | King Saud University          | University of Toronto         | Harvard Medical School        | 21 September University         |
| <b>Country</b>                               | Egypt                         | Egypt                         | Egypt                         | Saudi Arabia                  | Canada                        | USA                           | Yemen                           |
| <b>Study Mode</b>                            | Coursework + Thesis           | Coursework + Thesis           | Coursework + Thesis           | Coursework + Thesis           | Coursework + Thesis           | Coursework + Thesis           | Coursework + Thesis             |
| <b>Attendance Mode</b>                       | Full-time                     | Full-time                     | Full-time                     | Full-time                     | Full-time                     | Full-time                     | Full-time                       |
| <b>No. of Semesters</b>                      | 10                            | 10                            | 10                            | 10                            | 10                            | 10                            | 10                              |
| <b>Total Credit Hours (excluding thesis)</b> | 43                            | 43                            | 43                            | 43                            | 43                            | 43                            | 43                              |
| <b>Credit Hours for</b>                      | 43                            | 43                            | 43                            | 43                            | 43                            | 43                            | 43                              |

|                                       |           |           |           |           |           |           |           |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>Core Courses</b>                   |           |           |           |           |           |           |           |
| <b>Credit Hours for Electives</b>     | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| <b>No. of Core Courses</b>            | 14        | 14        | 14        | 14        | 14        | 14        | 14        |
| <b>No. of Electives</b>               | 0         | 0         | 0         | 0         | 0         | 0         | 0         |
| <b>Supplementary Courses (if any)</b> | As needed | As needed | As needed | As needed | As needed | As needed | As needed |
| <b>Thesis Credit Hours</b>            | 6         | 6         | 6         | 6         | 6         | 6         | 6         |
| <b>Total Program Credit Hours</b>     | 49        | 49        | 49        | 49        | 49        | 49        | 49        |
| <b>Thesis Duration</b>                | 1 year    | 1 year    | 1 year    | 1 year    | 1 year    | 1 year    | 1 year    |
| <b>Minimum Program Duration</b>       | 5 years   | 5 years   | 5 years   | 5 years   | 5 years   | 5 years   | 5 years   |
| <b>Maximum Program</b>                |           |           |           |           |           |           |           |

## Intended Learning Outcomes (ILOs)

### A. Knowledge and Understanding

Upon completion of the program, the graduate will be able to:

- A1. Demonstrate deep knowledge of female reproductive anatomy, physiology, and pathology.
- A2. Understand the principles and management of normal and high-risk pregnancies.
- A3. Explain diagnostic and therapeutic strategies in gynecology and obstetrics.
- A4. Describe public health aspects of maternal and neonatal care.
- A5. Understand ethical, legal, and professional responsibilities in women's health.

### B. Cognitive (Intellectual) Skills

Graduates will be able to:

- B1. Analyze patient data and synthesize appropriate clinical diagnoses and plans.
- B2. Evaluate current research and apply evidence-based practice in clinical decisions.
- B3. Solve problems related to complex or emergent obstetric and gynecological conditions.
- B4. Design, conduct, and interpret scientific research relevant to reproductive health.

### C. Practical and Clinical Skills

Graduates will be able to:

- C1. Perform core clinical procedures in gynecology and obstetrics.
- C2. Use diagnostic tools and imaging in assessing maternal-fetal conditions.
- C3. Provide prenatal, intrapartum, postpartum, and gynecologic care.
- C4. Manage emergency conditions such as eclampsia, postpartum hemorrhage, and ruptured ectopic pregnancy.
- C5. Document and communicate patient cases effectively.

### D. General and Transferable Skills

Graduates will be able to:

- D1. Demonstrate leadership and collaboration within multidisciplinary healthcare teams.
- D2. Communicate effectively with patients, families, and professionals.
- D3. Apply critical thinking and self-learning in clinical settings.
- D4. Engage in continuous professional development and uphold medical ethics.

## ▪ Program Structure:

### ▪ Program Structure

- ساعة 30 الحد الأدنى لعدد الساعات المعتمدة أو الوحدات الدراسية لنيل درجة الماجستير في تخصص معين هو ساعات معتمدة للرسالة العلمية 6 معتمدة، ويخصص إضافة لذلك:
- يتكون هيكل البرنامج من المتطلبات التالية:

| المتطلبات        | عدد المقررات | الساعات المعتمدة | الوزن النسبي |
|------------------|--------------|------------------|--------------|
| مقررات استدرائية | حسب الحاجة   | -                | -            |
| مقررات إجبارية   | 13           | 43               | 87.7%        |
| مقررات اختيارية  | 0            | 0                |              |
| رسالة الماجستير  | 1            | 6                | 12.3%        |
| الإجمالي الكلي   | 14           | 49               | 100%         |

- أولاً: المقررات الاستدرائية (إن وجدت)
- يجب على المتقدمين غير الحاصلين على خلفيات أكاديمية طبية مناسبة أن يجتازوا دورات تمهيدية والتي قد تكون أي من أو جميع المقررات التالية (حسب قرار لجنة القبول):

| اسم المقرر | Course Title | نظرية Th. | عملية Pr. | تمارين/Seminar | Total الإجمالي C.H | المتطلبات القبلية |
|------------|--------------|-----------|-----------|----------------|--------------------|-------------------|
| -          | -            | -         | -         | -              | -                  | -                 |

- إجمالي الساعات المعتمدة: حسب الحاجة

■ **Compulsory Courses Summary Table**

| Course Title                            | Code    | Th. | Pr. | Seminar | Total C.H. | Study Days | Pre-Requisites |
|---|---------|-----|-----|---------|------------|------------|----------------|
| Reproductive Anatomy & Embryology       | GYN 601 | 2   | 1   | 0       | 3          | حسب الجدول | -              |
| Endocrinology & Female Physiology       | GYN 602 | 2   | 1   | 0       | 3          | حسب الجدول | -              |
| Research Methodology & Biostatistics    | GYN 603 | 2   | 1   | 0       | 3          | حسب الجدول | -              |
| Pathology of Female Reproductive System | GYN 604 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 601        |
| Applied Obstetric Physiology            | GYN 605 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 602        |
| Obstetric Medicine & Antenatal Care     | GYN 606 | 2   | 2   | 0       | 4          | حسب الجدول | GYN 605        |
| Gynecologic Disorders                   | GYN 607 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 604        |
| Reproductive Infections and STDs        | GYN 608 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 607        |
| Family Planning & Public Health         | GYN 609 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 606        |
| Infertility & Assisted Reproduction     | GYN 610 | 1   | 2   | 0       | 3          | حسب الجدول | GYN 607        |
| Obstetric Emergencies                   | GYN 611 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 606        |
| Gynecologic Oncology                    | GYN 612 | 2   | 1   | 0       | 3          | حسب الجدول | GYN 607        |
| Medical Ethics & Professionalism        | GYN 613 | 2   | 0   | 0       | 2          | حسب الجدول | -              |
| Clinical Residency in Gyn/Obstetrics    | GYN 614 | 0   | 6   | 0       | 6          | حسب الجدول | GYN 606–613    |

ساعة معتمدة 43 :إجمالي الساعات المعتمدة للمقررات الإجبارية

ثالثاً: المقررات الاختيارية  
لا توجد مقررات اختيارية في هذا البرنامج.

رابعاً: رسالة الماجستير  
على الطالب إعداد ومناقشة رسالة علمية في تخصص طب النساء والتوليد، بواقع 6 ساعات معتمدة

**Curriculum Map – Mapping ILOs with Courses (Summary)**

| Course Code | Course Title           | A 1 | A 2 | A 3 | A 4 | A 5 | B 1 | B 2 | B 3 | B 4 | C 1 | C 2 | C 3 | C 4 | C 5 | D 1 | D 2 | D 3 | D 4 |  |
|-------------|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| GYN 601     | Reproductive Anatomy & | ✓   |     |     |     |     |     |     |     |     | ✓   |     |     |     |     |     |     |     |     |  |

|         |   |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |
|---------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|---|---|---|---|
|         | Embryology                              |   |   |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |
| GYN 602 | Endocrinology & Female Physiology       | ✓ | ✓ |   |   |   |   |   |   |  |   |   |   |   |   |   |   |   |
| GYN 603 | Research Methodology & Biostatistics    |   |   |   |   | ✓ |   |   | ✓ |  |   |   |   |   |   |   | ✓ | ✓ |
| GYN 604 | Pathology of Female Reproductive System | ✓ |   | ✓ |   |   |   |   | ✓ |  | ✓ |   |   |   |   |   |   |   |
| GYN 605 | Applied Obstetric Physiology            |   | ✓ |   |   |   |   | ✓ |   |  |   |   |   |   |   |   |   |   |
| GYN 606 | Obstetric Medicine & Antenatal Care     |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | ✓ |   | ✓ |   | ✓ |   |
| GYN 607 | Gynecologic Disorders                   | ✓ |   | ✓ |   | ✓ | ✓ | ✓ | ✓ |  | ✓ |   | ✓ | ✓ |   |   | ✓ |   |
| GYN 608 | Reproductive Infections & STDs          |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ |   | ✓ | ✓ |   |   | ✓ |   |
| GYN 609 | Family Planning & Public Health         |   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  |   |   | ✓ | ✓ |   |   | ✓ | ✓ |
| GYN 610 | Infertility & Assisted Reproduction     | ✓ |   | ✓ |   | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | ✓ | ✓ |   |   | ✓ |   |
| GYN 611 | Obstetric Emergencies                   |   | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |  | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓ | ✓ |
| GYN 612 | Gynecologic Oncology                    | ✓ |   | ✓ |   | ✓ | ✓ | ✓ | ✓ |  | ✓ |   | ✓ | ✓ |   | ✓ | ✓ |   |

|            |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GYN<br>613 | Medical<br>Ethics &<br>Professio<br>nalism         |   |   |   |   | ✓ | ✓ |   |   |   |   |   |   |   | ✓ | ✓ | ✓ | ✓ | ✓ |
| GYN<br>614 | Clinical<br>Residenc<br>y in<br>Gyn/Obst<br>etrics | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| GYN<br>700 | MD<br>Thesis                                       |   |   |   |   | ✓ | ✓ |   |   | ✓ |   |   |   |   | ✓ |   |   | ✓ | ✓ |

## Teaching and Learning Strategies

| Strategy                      | Description  |
|-------------------------------|--|
| Lectures                      | Used to deliver theoretical foundations in basic and clinical sciences.      |
| Clinical Rotations            | Supervised hands-on training in obstetrics and gynecology wards and clinics. |
| Simulation and Skills Labs    | Practice procedures and emergency responses in controlled settings.          |
| Problem-Based Learning (PBL)  | Encourages critical thinking and group discussion of clinical cases.         |
| Case Presentations & Seminars | Enhance diagnostic reasoning and communication through case reviews.         |
| Self-Directed Learning        | Independent study with guided readings, online resources, and assignments.   |
| Research Projects             | Development of proposals, data collection, analysis, and paper writing.      |

## Assessment Strategies

| Assessment Method                           | Purpose and Scope  |
|---|--|
| Written Exams                               | Test comprehension and knowledge application in theoretical domains. |
| Objective Structured Clinical Exams (OSCEs) | Evaluate clinical skills, decision-making, and communication.        |
| Logbooks & Clinical Checklists              | Record clinical procedures and skill competencies during rotations.  |
| Direct Observation                          | Supervisors assess procedural competence and professionalism.        |
| Research Paper & Thesis                     | Assess student's research ability and scientific writing.            |
| Presentations & Viva Voce                   | Test ability to defend knowledge, cases, and research outputs.       |
| Peer & Self-Evaluation                      | Encourage reflection and personal/professional growth.               |

## Study Plan (5-Year Distribution)

## Year 1 – Basic Sciences and Foundations

### Total Year 1 – Semester 1: 9 Credit Hours

| Course Code | Course Title                           | Arabic Title                      | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|--|-----------------------------------|----|----|-----|------------|---------------|
| GYN 601     | Reproductive Anatomy and Embryology    | تشريح وتخلق الجهاز التناسلي       | 2  | 1  | 0   | 3          | None          |
| GYN 602     | Endocrinology and Female Physiology    | فيزيولوجيا الغدد الصماء والأنثوية | 2  | 1  | 0   | 3          | None          |
| GYN 603     | Research Methodology and Biostatistics | منهجية البحث والإحصاء الحيوي      | 2  | 1  | 0   | 3          | None          |


### Total Year 1 – Semester 2: 6 Credit Hours

| Course Code | Course Title                            | Arabic Title                        | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|---|-------------------------------------|----|----|-----|------------|---------------|
| GYN 604     | Pathology of Female Reproductive System | أمراض الجهاز التناسلي الأنثوي       | 2  | 1  | 0   | 3          | GYN 601       |
| GYN 605     | Applied Obstetric Physiology            | فيزيولوجيا الحمل والولادة التطبيقية | 2  | 1  | 0   | 3          | GYN 602       |

## Year 2 – Core Clinical Concepts

### Total Year 2 – Semester 1: 7 Credit Hours

| Course Code | Course Title                          | Arabic Title              | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|---------------------------------------|---------------------------|----|----|-----|------------|---------------|
| GYN 606     | Obstetric Medicine and Antenatal Care | طب التوليد ورعاية الحوامل | 2  | 2  | 0   | 4          | GYN 605       |
| GYN 607     | Gynecologic Disorders                 | اضطرابات أمراض النساء     | 2  | 1  | 0   | 3          | GYN 604       |

 **Note:** By the end of Year 2, students must submit and publish **two scientific research papers**.

### Total Year 2 – Semester 2: 6 Credit Hours

| Course Code | Course Title                      | Arabic Title                                 | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|-----------------------------------|--|----|----|-----|------------|---------------|
| GYN 608     | Reproductive Infections and STDs  | الأمراض المنقولة جنسياً والالتهابات النسائية | 2  | 1  | 0   | 3          | GYN 607       |
| GYN 609     | Family Planning and Public Health | تنظيم الأسرة وصحة المجتمع                    | 2  | 1  | 0   | 3          | GYN 606       |

## Year 3 – Specialized Clinical Training

### Total Year 3 – Semester 1: 6 Credit Hours

| Course Code | Course Title                          | Arabic Title                  | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|---------------------------------------|-------------------------------|----|----|-----|------------|---------------|
| GYN 610     | Infertility and Assisted Reproduction | العقم وتقنيات الإخصاب المساعد | 1  | 2  | 0   | 3          | GYN 607       |
| GYN 611     | Obstetric Emergencies                 | طوارئ التوليد                 | 2  | 1  | 0   | 3          | GYN 606       |

### Total Year 3 – Semester 2: 5 Credit Hours

| Course Code | Course Title                       | Arabic Title               | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|------------------------------------|----------------------------|----|----|-----|------------|---------------|
| GYN 612     | Gynecologic Oncology               | الأورام النسائية           | 2  | 1  | 0   | 3          | GYN 607       |
| GYN 613     | Medical Ethics and Professionalism | الأخلاقيات الطبية والمهنية | 2  | 0  | 0   | 2          | None          |

### Year 4 – Clinical Practicum

| Course Code | Course Title                         | Arabic Title                              | Th | Pr | Tut | Total C.H. | Pre-requisite |
|-------------|--------------------------------------|---|----|----|-----|------------|---------------|
| GYN 614     | Clinical Residency in Gyn/Obstetrics | الإقامة السريرية في أمراض النساء والولادة | 0  | 6  | 0   | 6          | GYN 606–613   |

### Year 5 – Thesis

| Course Code | Course Title                           | Arabic Title                             | Credit Hours |
|-------------|--|--|--------------|
| GYN 700     | MD Thesis in Gynecology and Obstetrics | رسالة الدكتوراه في أمراض النساء والولادة | 6            |

✓ Total Credit Hours Required for Graduation: 49

### Graduation Requirements

To be eligible for graduation, students must:

- Successfully complete all required courses (core and clinical) and earn at least **43 credit hours**.
- Complete and defend a **thesis worth 6 credit hours**.
- Achieve a **minimum passing grade** in each course as per university regulations.
- Maintain an **overall GPA of at least 2.5 out of 4.0** or **75%**.
- Fulfill all **clinical practicum hours** and **logbook requirements**.

## Resources and Equipment

To ensure quality delivery of the MD in Gynecology and Obstetrics program, the following resources are required:

- Well-equipped **gynecology and obstetrics skill labs** and operating rooms.
- Simulation units and **training mannequins** for procedures and delivery techniques.
- Advanced **ultrasound and fetal monitoring devices**.
- Access to **maternity wards, NICUs, and gynecology clinics**.
- **Medical libraries** with journal access and reproductive health references.
- IT infrastructure for **e-learning**, virtual case simulations, and research.

## Faculty and Staff Requirements

| Academic Rank        | Required | Available | Notes  |
|----------------------|----------|-----------|--|
| Professors           | 2        | TBD       | At least 1 with specialization in obstetrics |
| Associate Professors | 3        | TBD       | Includes gynecology, reproductive health     |
| Assistant Professors | 4        | TBD       | For imaging, endocrinology, and ethics       |
| Teaching Assistants  | 4        | TBD       | Support during labs and clinical sessions    |

## Program Evaluation and Improvement

| Target Group         | Evaluation Method                    | Sample Type                          |
|----------------------|--------------------------------------|--------------------------------------|
| Students             | Course feedback surveys              | All enrolled students                |
| Faculty              | Peer reviews, academic audits        | All teaching staff                   |
| Alumni               | Graduate tracer studies              | Selected graduates from past 3 years |
| Employers            | Structured feedback forms/interviews | Hospitals, health institutions       |
| Curriculum Committee | Annual program review meetings       | Committee m                          |

**وصف مقررات البرنامج:**