Faculty of Medicine
Ain Shams University

Postgraduate Studies

Diploma in Obstetrics & Gynecology
درجة الدبلوم في أمراض النساء والتوليد

Program Code: OG٩٠٠

Program Guide and Logbook
Candidate Curriculum Vitae

[Name]

Please attach your recent photo

[telephone no]
[mobile no]
[mailing address]

[email address]
[postcode]

Experience

[organization]
[your present job title]
[start date]
[location]
[responsibilities]

[organization]
[previous job title]
[start and end date]
[location]
[responsibilities]
[organization]
[previous job title]
[start and end date]
[location]
[responsibilities]

**Education**

certificates
[start and end date]
school or college
Training

[any other training that will be useful in your job]

Filled by post graduate authorities

Date of Registration

First semester

Second semester

Third semester

Fourth semester
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Second Part
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Elective Courses
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Welcome Statement:
The Department of Obstetrics & Gynecology welcomes you to the Degree of diploma in Obstetrics & Gynecology. As a department we are committed to medical student education and continuously strive to improve your educational experience. This handbook is an information guide and logbook of your activities to obtain this degree administered by the Obstetrics & Gynecology Department of the Faculty of Medicine, Ain Shams University.

Mission Statement:
The mission of the Faculty of Medicine, Ain Shams University is “Preparation of a trained physician, researcher and life long tutor capable of following standards of medical care and ethics, with managerial and technical skills in his specialty. Furthermore, promotion outstanding programs of health care to serve the society, environmental development and targeted scientific research for continual improvement of health”.

The Department of Obstetrics & Gynecology of the Ain Shams Faculty of Medicine has a mission, a vision and essential core values.

Our Mission
The Department of Obstetrics & Gynecology at Ain Shams University is a facility that thrives to provide excellent medical education, medical research along with the best medical care to underprivileged women attending our institution. This will be only achieved in an atmosphere of positive interaction between education, medical care and research.

Our Vision
The Department of Obstetrics and Gynecology will advance the quality of life in the community through the instructional, research and outreach obligations of a world-class medical institution. The Department will also:
• Encourage scholarly activity of the residents and medical students;
• Encourage life-long learning, which is imperative to the practice of medicine;
• Promote proficiency in the technical arts related to Obstetrics and Gynecology;
• Incorporate advances in medical knowledge and technology in order to better serve our clients and the underserved
• Be viewed as a leader in women’s health care; and
• Serve as an advocate, resource, and referral base for physicians in the area deemed by our institution.

<table>
<thead>
<tr>
<th>Our Core Values</th>
</tr>
</thead>
</table>

**Excellence** – We seek excellence in all our endeavors, and we are committed to continuous improvement.

**Integrity** – We are committed to the principles of truth and honesty, and we will be equitable, ethical, and professional.

**Service** – We believe that serving others is a noble and worthy endeavor.

**Intellectual Freedom** – We believe in ethical and scholarly questioning in an environment that respects the rights of all to freely pursue knowledge.

**Diversity** – We respect others and value diversity of opinion, freedom of expression, and other ethnic and cultural backgrounds.

**Stewardship of Resources** – We are dedicated to the efficient and effective use of resources.

We accept the responsibility of the public’s trust and are accountable for our actions.

**III – Senior Supervisor and Affiliated Departments and Hospitals**

**Senior Supervisor**

Prof.

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E-mail: ------------------------

**Affiliated Departments and Hospitals**

**IV – Program Specifications**

**A- Basic Information**

1. Program title:
   Master Degree in Obstetrics & Gynecology

2. Program type: single

3. Faculty
   Faculty of Medicine

4. Department
   Obstetrics & Gynecology

5. Assistant co-ordinator
   Prof. Dr. Khaled Kamal

6. Co-ordinator
   Prof. Ahmad Abo Gabal
This program should be able to:

1. Respond to the educational and research training needs of doctors with a special interest in more indepth study in Obstetrics & Gynecology.
2. Meet the needs of MSc holders whilst they are completing their clinical training or working in clinical practice.
3. Provide study modules designed to give candidates a sound understanding of advanced and up-todate scientific concepts and research.
4. Provide trainees with additional advanced modules, this will allow them to undertake more indepth studies of specific areas in obstetrics & Gynecology according to individual interest.
6. Give trainees an opportunity to produce a detailed dissertation on a special topic of interest that has been subjected to meticulous research and appraisal.
7. The program will also provide an opportunity and encouragement for registered candidates to apply for and succeed in obtaining the Medical Doctorate in Obstetrics & Gynecology.

By the end of this program the student should be able to achieve the following objectives in these various domains:

a. Knowledge and understanding:

a1. Recognize physiology, pathology, cellular and molecular biology, microbiology and pharmacology relevant to the field of obstetrics and gynecology.

a2. Describe different types of Diseases and emergencies affecting women through different age groups.

a3. Identify the role of imaging techniques in the investigation of the diseases.

a4. Recognize different types laboratory investigations needed for the diagnosis of
diseases.

a° - Know the place of measurement techniques using imaging (bone densitometry and ultrasonography, Magnetic Resonance Imaging) in the investigation diseases.

a° - List the drugs used in the disease treatment, their indications, actions and monitoring.

a° - Outline the role of other medical specialties in taking care of women in health and disease

a° - Outline the role of patient education.

a° - Recognize the socioeconomic and legal aspects diseases.

a° - Identify the role of non-conventional medicine in the treatment of diseases.

a° - know the basis of hospital management.

a° - Understand the basis of infection control.

b. Intellectual Skills

By the end of this program the student should be able to

b° - Classify different medical disorders.

b° - Differentiate different medical disorders from each other.

b° - Assess multi-system disease.

b° - Select appropriate laboratory tests.

b° - Interpret appropriate laboratory tests.

b° - Select appropriate imaging technique for diagnosis of different medical disorders.

b° - Interpret radiological imaging.

b° - Select the proper line of treatment for a particular clinical situation.

c. Professional and practical skills:

By the end of this program the student should be able to

c° - Obtain a proper history for the patient

c° - Perform an adequate clinical examination (general, abdominal and pelvic) for the patient and identify any abnormalities.

c° - Interpret the patient data (history and examination) in an organized and informative manner.

c° - Perform selected surgical procedures according to the predefined number in the logbook (Vaginal delivery, operative delivery, cesarean section, internal iliac artery ligation, evacuation of remnants of conception, vaginal cerclage, dilatation and curettage, classical repair, excision of cysts from vulva and vagina, abdominal hysterectomy, vaginal hystetecomy, myomectomy, ovarian cystectomy, Burch colposuspension, Abdominal sling, repair of urinary and rectovaginal fistula (high and low), surgery for selected malignant conditions, selected diagnostic and therapeutic endoscopic procedures).

c° - Recognize and carry out the treatment of the basic and advanced obstetric
emergency situations

- Perform as a either a consultant or a principal care provider when required.

d. General and transferable skills:
**By the end of this program the student should be able to**
Graduates of this program must demonstrate skills pertaining to the principles of communication and the skills and attitudes that allow effective interaction with patients, families, healthcare workers, and others who affect the health and well being of patients. Our graduates will be able to:

d\(^1\). Utilize problem solving skills in a variety of theoretical and practical situations.
d\(^2\). Manage time, prioritize workloads and recognize and manage personal emotions.
d\(^3\). Take responsibility for personal and professional learning and development while adopting the concept of lifelong learning and information mastery.
d\(^4\). Gather, organize and appraise information including the use of information technology where applicable.
d\(^5\). Communicate the medical information in written, oral or electronic forms.
d\(^6\). Conduct electronic search through:
i. Formulating research questions
ii. Determining a search strategy to find an answer to his question
iii. Formulating a research design that better suit the type of question
iv. Recognizing the importance of precision in collecting, analyzing and interpreting data.
d\(^7\). Work constructively and cooperatively within a team
d\(^8\). Know the principles of change management and respond to changing demands.
d\(^9\). Develop oneself as a team leader while adopting effective managerial skills.
d\(^10\). Cope with changing work environment
d\(^11\). Evaluate his/her work and that of others using constructive feedback
d\(^12\). Have an understanding of the principles of teaching.

E- Attitudinal, Ethical and Professional outcomes
**Having successfully completed this program, s/he is expected to demonstrate behaviors consistent with appropriate professional attitude including:**
e\(^1\). Valuing the interests and dignity of patients and families:
i. Understand the national code of medical ethics
ii. Respect patients rights, privacy and confidentiality
iii. Adopt an understanding holistic approach to patients problems
iv. Accept and comply with cultural diversity.
e⁹. Apply ethical rules, safety and infection control measures during learning in labs and clinical sessions.
e⁹. Respect superiors, colleagues and any other members of the health profession.
e⁹. Practice critical self evaluation.
e⁹. Ensure confidentiality and privacy of patients’ information.
e⁹. Apply the national code of medical ethics.
e⁹. Share in inter-professional activities.
e⁹. Cooperate with other members of the health team to provide effective patient management.
e⁹. Respond appropriately in emergency situations.
e⁹. Ensure the cost effectiveness of management.

٣. Academic standards: (Benchmarks)

Academic Reference standards (ARS) guided by NAQAAE

Royal college of Obstetricians and Gynaecologists
http://www.rcog.org.uk/education-and-exams

٤. Curriculum structure and contents:

٤ا- Program duration: ٧ years (٤ Semesters)

٤ب- Program structure:

<table>
<thead>
<tr>
<th>المناهج</th>
<th>المقررات الدراسية</th>
<th>متطلبات لكلية</th>
<th>الجزء الأول</th>
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<td>١</td>
<td>OG٩٠١</td>
<td>التشريح التطبيقي فيما يهم تخصص التوليد وأمراض النساء</td>
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<tr>
<td>١</td>
<td>OG٩٠٢</td>
<td>فسيولوجيا التداخل و الباثولوجي التطبيقي فيما يهم تخصص التوليد وأمراض النساء</td>
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<tr>
<td>١</td>
<td>OG٩٠٣</td>
<td>الباثولوجي والصحة العامة فيما يهم تخصص التوليد وأمراض النساء</td>
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<td>OG٩٠٤</td>
<td>الأمراض الباطنة فيما يهم تخصص التوليد وأمراض النساء</td>
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<td>OG٩٠٥</td>
<td>الجراحة العامة فيما يهم تخصص التوليد وأمراض النساء</td>
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<td>OG٩٠٦</td>
<td>نظرى علم التوليد وأمراض النساء</td>
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<td>OG٩٠٧</td>
<td>إكلينيكى علم التوليد وأمراض النساء</td>
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<td></td>
<td>OG٩٠٨</td>
<td>وسائل تشخيصية مساعدة</td>
<td></td>
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</tbody>
</table>
5. Program Courses

First Part
- Applied Anatomy Course Specifications [OG 912]
- Reproductive Physiology & Reproductive Pathology Course Specifications [OG 914]
- Public Health and Microbiology Course Specifications [OG 903]
- Internal Medicine Course Specifications [OG 904]
- General Surgery Course Specifications [OG 905]

Second Part
- Didactic Obstetrics & Gynecology Course Specifications [OG 906]
- Clinical Obstetrics & Gynecology Course Specifications [OG 907]
- Diagnostic Aids in Obstetrics & Gynecology Course Specifications [OG 908]

Elective Courses
- Demographic Sciences Course Specifications [E 912]
- Maternal Health Course Specifications [E 913]
- Geriatrics Course Specifications [E 914]

6. Program admission requirements:

المادة (1) : يشترط لقيد الطالب للحصول على درجة الدبلوم - أن يكون حاصلاً على درجة البكالوريوس في الطب والجراحة من إحدى جامعات جمهورية مصر العربية أو على درجة معادلة 3. أن يكون قد أمضى سنة التدريب (الامتحان) - 4. موافقة جهة العمل 4. تقديم الرسوم مصاريف التدريب واستهلاك الأجهزة واستيفاء المستندات المطلوبة في الملحق (1) - 5. التفرغ للدراسة لمدة فصلين دراسيين قبل دخول امتحان الجزء الثاني.

ملحق (1) : يقدم طالب الإتحاق لدرجة الماجستير الأوراق التالية :-
1- طلب الإحتراف - شهادة البكالوريوس - شهادة الامتحان - شهادة الميلاد أو مستخرج رسمي - الموقع الموقف من التجنيد - موافقة جهة العمل على التسجيل والتفجر المطلوب 7- عدد 8 صدور فوتوغرافية جديدة - 8- بالنسبة للوافدين يقدم الطالب موافقة السفارة ويحدد جهة تحمل النفقات كما يقدم شهادة صحية.

7. Regulation for progression and program completion

مادة (8) : يتم التسجيل للماجستير مرة واحدة في السنة تبدأ من أول يوليو حتى آخر أغسطس على أن تبدأ الدراسة في شهر أكتوبر من كل عام. ويجوز قبول تسجيل النواب والمعيدين والوافدين في الفترة من أول نوفمبر حتى آخر ديسمبر على ألا يسمح لهم بدخول امتحان الجزء الأول إلا بعد إفراطية فترة الدراسة.
مادة (1): توزع الدراسة في كل عام جامعي على فصول دراسيين مدة كل منها خمسة عشر أسبوعا. يبدأ
الأول في أول أكتوبر ويبدأ الثاني في منتصف فبراير. مع تنظيم فصول دراسي صفيح لمدة سنة أسبيع. و
يتم التسجيل للفصل الدراسي قبل اسبوعين من بدايةه على الأقل بعد استيفاء الشروط حسب المقررات
المسلمة. ولا ينبغي أن يبدأ الدراسة في الفصل الواحد من ست ساعات ممتدة. ويجوز للطالب تغطية
المقررات خلال اسبوعين من بداية الفصل الدراسي (بالحياة أو الاضافة). كما يجوز له الانسحاب خلال سته
أسابيع من احد المقررات دون احتسابه رأسيا فيه.

مادة (11): مدة الدراسة للحصول على درجة البكالوريوس أو الماجستير هي أربعة وعشرون شهراً (أربعة
فصل دراسي). على جزئين يجتاز فيها الطالب برنامج تدريبياً متكاملاً طبقاً للساعات المعتمدة الموضحة
بباب الالب ويشتولى خلالها المطلوب من في كتب متابعة الأنشطة ولا يسمح له بدخول الامتحان قبل
إنتهاء ثلاثة أرباع المطلوب من في كل جزء من البرنامج.

مادة (12): مدة الدراسة في البكالوريوس والماجستير الجزء الأول فصل دراسي واحد. يجتاز بعدها الطالب
امتحاناً ولا يشتهر النجاح فيه بالكامل لانتقال للدراسة في الجزء الثاني. والجزء الثاني يطلب تفرغ الطالب
للتدريب لمدة فصل دراسي وفقاً للمستندات أو المراكز المعتمدة من الكلية.

مادة (13): يقوم الدارس لدرجة البكالوريوس بتسجيل موضوع الرسالة على شكل بحث نظري أو عملي بعد
إستيفاء فصل دراسي واحد على الأقل ويجوز أن يباشر رسمة بعستة شهور من السجيل على الأقل على
أن يكون قد نجح في مقررات الجزء الأول بالكامل قبل دخول إمتحان الجزء الثاني ولا يخصص لها
درجات.

مادة (14): يقوم دارس الماجستير بإستيفاء متطلبات الجامعية قبل تسجيل الرسالة. ومتطلبات الكلية قبل
دخول إمتحان الجزء الثاني. ومتطلبات الجامعة هي الحصول على شهادة التوقيف في اللغة الإنجليزية
بمجموع (500) درجة على الأقل. ومتطلبات الكلية هي حضور دورات معتمدة من لجنة الدراسات العليا
بالكلية في مجال مناهج البحث العلمي والإحصاء الطبي أو بدلاً من ذلك، إضافة اختبارات خاصة تحددها
المجتمع.

مادة (15): يجوز للباحثين على درجة البكالوريوس استكمال درجة الماجستير بتسجيل رسالة الماجستير خلال
أربع سنوات من الحصول على درجة البكالوريوس ويحصل على الدورة بعد إستيفاء متطلبات الجامعة والكلية
ومناقشة الرسالة بنجاح.

مادة (16): الساعات المعتمدة لدراسة البكالوريوس والماجستير تقل راتاب سنوية معتمدة على الأقل يخصص منها
ست ساعات كتبية متابعة الأنشطة ويشمل ست ساعات على الأقل للجزء الأول وثلاثين ساعة على
الأقل للجزء الثاني وضمت إليها ست ساعات للرسالة في الماجستير.

مادة (22): مدة القيد لدرجة الماجستير أربع سنوات.

مادة (24): مجموع درجات الامتحان النهائية للماجستير 1200 درجة منها
300 درجة للجزء الأول.

مادة (25): يعفي إمتحان الدور الأول في أكتوبر وفترة من كل عام ويصعد إمتحان الدور الثاني في أبريل
وكمل من كل عام.

مادة (26): يكون النجاح في كل مادة من الدراسات العليا والماجستير بعد الحصول على
60% من الدرجة
الكلية لكل لجأ المادة مجموعه على أن لا تقل درجة التحصيري عن 100% ويكون النجاح في مواد الدكتوراه
بعد الحصول على 70% من درجة التحصيري والطبي والأكليكي والنفيك على حدة.

مادة (29): في حالة استيفاء مدة القيد يمكن للطالب الدراسات العليا إعادة التسجيل مرة أخرى ولا يعتد
بالنجاح في الجزء الأول أو الرسالة ويجب إعادتهما.
### Assessment Schedule and Weighing of Assessments

<table>
<thead>
<tr>
<th>Item</th>
<th>Mark</th>
<th>During semester</th>
<th>End of semester</th>
<th>Total</th>
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<tr>
<td>First semester (If present)</td>
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<td>400</td>
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<table>
<thead>
<tr>
<th>GPA score</th>
<th>Student state</th>
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<tbody>
<tr>
<td>4.0</td>
<td>Final exam</td>
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</tbody>
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**MALHOZAH: 1.736**

Mean grade average (GPA) = **4.0**

**ANATOMY AND EMBRYOLOGY COURSE SPECIFICATION**

OG9001

University: Ain Shams University  Faculty: of Medicine

**Course specifications**

Program on which the course is given: Diplomain Obstetrics & Gynecology

Major or minor element of programs: Major

Department offering the program: Obstetrics & Gynecology department- Ain

14
Shams University

**Department offering the course:** Obstetrics & Gynecology department.

**Academic Level:** Master – 1st semester

**Date of specification approval:** …………………..

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**A- Basic Information**

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<tr>
<th>Title: Anatomy course</th>
<th>Code: OG³•••</th>
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<tbody>
<tr>
<td>Credit Hours: 1 hour</td>
<td>Lecture: 0.5h / week</td>
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**Coordinator**

Obstetrics & Gynecology Department

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**B- Professional Information**

**1- Course Aims:**

At the completion of this course students will have an understanding of the functional anatomy of the human genitourinary systems in both male and female as well as the breast.

**2- Intended Learning Outcomes (ILOs) from the Course:**

**a- Knowledge and understanding**

*By the end of the course the candidate will be able to*

a¹) Describe the basic principles of structure of the genitourinary system and pelvic structure of both males and females.

a²) Describe the surface landmarks of the underlying structures of the human abdomen pelvis and femoral triangle.

a³) Outline major clinical applications of anatomical facts.

**b- Intellectual skills**

*By the end of the course the candidate will be able to:*

b¹) Apply the anatomical facts while examining the living subject in order to reach a proper diagnosis.

b²) Identify the different surface markings and determine the position or course of internal structures.

b³) Interpret the normal anatomical structures on radiographs and ultrasonography, CT scan and nuclear magnetic resonance images.

**c- Professional skills**

*By the end of the course the candidate will be able to*

c¹) Differentiate anatomical structures of the genitourinary system.

c²) Select the proper surface markings for an anatomical structure.
c- Differentiate between normal and abnormal anatomical structure of the genitourinary system for both males and females.

d- General and transferable skills
By the end of the course the candidate will be able to

d₁) Maintain honesty and integrity in all interactions with teachers, colleagues, patients and others with whom surgeons must interact in their professional lives.
d₂) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d₃) Be responsible towards work.
d₄) Maintain a professional image concerning behavior, dress and speech.

v- Course content:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>Pelvic skeleton</th>
<th>Pelvic viscera</th>
<th>Pelvic peritoneum</th>
<th>Pelvic connective tissue</th>
<th>Pelvic spaces</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sacrum and coccyx</td>
<td>Internal genitalia</td>
<td>Macroanatomy of the female genitourinary system</td>
<td>Connective tissue matrix</td>
<td>Prevesical space</td>
</tr>
<tr>
<td>2.</td>
<td>Hip bones</td>
<td>-ovaries, oviducts, uterus, vagina</td>
<td>Macroanatomy of the male genitourinary system</td>
<td>Horizontal c.t matrix</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Related joints and ligaments</td>
<td>- Male internal genital organs</td>
<td></td>
<td>Frontal c.t matrix</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Diameters and planes</td>
<td></td>
<td></td>
<td>Ascending and sagittal bladder pillars</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Types of pelvis and role in labour and dystocia</td>
<td></td>
<td></td>
<td>Rectal pillar</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Vaginal cervical column</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>Loose c.t</td>
<td></td>
</tr>
</tbody>
</table>

Diameters and planes

- Types of pelvis and role in labour and dystocia

Pelvic connective tissue

- Connective tissue matrix
- Horizontal c.t matrix
- Frontal c.t matrix
- Ascending and sagittal bladder pillars
- Rectal pillar
- Vaginal cervical column
- Loose c.t

Pelvic spaces

- Prevesical space
<table>
<thead>
<tr>
<th>Paravesical spaces</th>
<th>Vesicocervical space</th>
<th>Rectovaginal space</th>
<th>Pararectal spaces</th>
<th>Retrorectal spaces</th>
</tr>
</thead>
</table>

Arteries, veins and nerves of the internal genitalia
1. Arterial supply
2. Venous drainage
3. Innervation

Arteries, veins and nerves of the external genitalia
1. Urogenital and anal region
2. Perineal region

Anatomy of the Femoral triangle

These will be delivered in lectures which will constitute a guide for self-directed learning.

**- Student Assessment Methods**
1. written exam to assess knowledge
2. oral exam

**Weighing of assessment**

<table>
<thead>
<tr>
<th>Written exam</th>
<th>Oral exam</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>15</td>
<td>45</td>
</tr>
</tbody>
</table>

**- List of References**

1. **Course Notes (paper and / or electronic)**
   Lecture notes and a guide for self-directed learning

2. **Essential Books (Text Books)**
   Gray’s Anatomy: Student Edition
   Last’s Applied and Regional Anatomy

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**REPRODUCTIVE PHYSIOLOGY AND PATHOLOGY COURSE SPECIFICATIONS**

**University:** Ain Shams University  **Faculty:** of Medicine
**Program on which the course is given:** Diploma Obstetrics & Gynecology
**Major or minor element of programs:** Minor
**Department offering the program:** Obstetrics & Gynecology Department.
**Department offering the course:** Obstetrics & Gynecology Department.
**Academic Level:** diploma – 1st semester or later
Date of specification approval: ……………………………..

A- Basic Information
Title: Reproductive Physiology and Pathology course  
Credit Hours: 1 hour  
Lecture: 1h/week  
Total: 15 hours

Coordinator
Obstetrics & Gynecology department

B - Professional Information

I- Course Aims:
The aims of this course are to enable students to:
1. Acquire an appropriate functional background of cells, tissues, organs & systems.
2. Integrate physiological data & mechanisms with the ongoing basic sciences: anatomy, histology & biochemistry and clinical applications.
3. Follow the rapidly changing and inflating details about molecular biology & genetics.
4. Explore in detail the functions of the autonomic, the neuromuscular, the respiratory and the cardiovascular systems as well as their integration to achieve homeostasis.
5. Develop the basic scientific research skills as well as effective communication and team work attitudes.

II- Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
1. Describe the cellular functions at the organelle and molecular level.
2. Describe & explain the functions of the nerve cell the nerve and muscle fiber grossly and at the molecular level.
3. Describe & explain the functions of the autonomic nervous system, different components of blood, the respiratory and cardiovascular systems both grossly and at the molecular level.
4. Describe some biophysical laws and their relation to physiology.
5. Recognize and define the basic pathologic processes that disturb the structure and function of the body with a special emphasis on the disease states affecting the genitor-urinary system including cell injury, tissue response to injury (inflammation, healing and repair), haemodynamic disturbances, neoplasia, infections and parasitic diseases.
6. List the causes of common diseases affecting the genitor-urinary systems.
7. Explain the pathogenesis of common diseases affecting the genitor-urinary systems.
1. Recognize and describe the basic pathologic features (morphologic alterations) including the gross and microscopic pictures of various common diseases affecting genitor-urinary systems.

2. Describe how the pathological processes affect the structure and function of the genitor-urinary systems.

3. Identify the functional consequences and clinical manifestations of common diseases affecting the genitor-urinary systems.

4. Explain the signs and symptoms of disease based on its pathogenesis, thereby demonstrate clinical reasoning.

5. Interpret and identify the complications of common diseases.

6. Describe the effect of environmental factors on causation and geographical variation of disease.

7. Recognize and be fully familiar with the terminology used in the classification, investigation and description of disease, enabling effective communication with professional colleagues and patients.

b- Intellectual skills

By the end of the course the candidate will be able to:

1. Interpret the most important physiological laboratory results (blood, respiratory, neuromuscular), to distinguish a physiological from a pathological condition.

2. Comment on some clinical parameters such as: ABP, ECG, nerve conduction velocity & pulmonary functions for a normal individual.

3. Integrate physiology and pathology with other basic and clinical sciences.

4. Correlate the pathologic features of the disease with its clinical presentation, laboratory investigations and complications.

5. Develop skills of observation, interpretation, and integration needed to analyze basic clinical and pathologic data and to diagnose human disease.

c- Professional skills

By the end of the course the candidate will be able to:

1. Perform hematological tests: estimation of blood Hb, bleeding & clotting times, determination of the hematocrit value, the bleeding & clotting times and blood groups.

2. Perform the most important respiratory function tests.

3. Perform the measurement of the arterial blood pressure.

4. Manipulate a stethoscope for hearing heart and respiratory sounds.

5. Record and read an electrocardiogram.

6. Present physiological scientific data in a graphical form.

7. Recognize and interpret the important pathologic lesions in a pathology report that can provide reliable basis (sound foundation) for rational clinical care and therapy.
c. Select appropriate preservative material necessary for different kind of specimens for different types of pathologic investigations.
c. Select appropriate method of investigation for examination needed to reach a correct diagnosis.
c. Handle and select appropriate tissue from fresh specimen for frozen section examination.

d- General and transferable skills
By the end of the course the candidate will be able to:
d¹) Maintain honesty and integrity in all interactions with teachers, colleagues and others with whom physicians must interact in their professional lives.
d²) Recognize the scope and limits of their role as students as well as the necessity to seek and apply collaboration with other workers.
d³) Be responsible towards work.

Ⅰ. Course content:
A- Physiology

Ⅰ. General cellular basis of medical physiology:
- Structure, functioning regulation of genes and chromosomes.
- Transport across cell membranes and intercellular communications. Mechanism of hormone action and second messenger systems

Ⅰ. Energy balance, metabolism and nutrition:
- Carbohydrate, fat and protein metabolism
- Biochemistry of vitamins, minerals, prostaglandins and steroid hormones.

Ⅰ. Endocrinology of:
- Hypothalamic pituitary axis, endocrinopathies related to anovulation in PCOs, hypogonadal hypogonadism, hyperprolactinemia and premature ovarian failure.
- Thyroid gland
- Endocrine function of the pancreas and regulation of carbohydrate metabolism
- Adrenal medulla and cortex.
- Hormonal control of Ca metabolism and physiology of bone.
- Hormone secreting and hormone dependant tumors in gynecology.
- Placenta as an endocrine gland.
- Endocrinology of corpus luteum, luteo-placental shift and fetoplacental communication. Hormonal changes associated with pregnancy loss.

Ⅰ. Adaptive physiology of systems during pregnancy (cardiovascular, respiratory, urinary and gastrointestinal physiology)

Ⅰ. Physiology of male and female reproductive systems:
• Puberty, precocious and delayed puberty.
• Menstrual cycle
• Menopause and endocrine effects on bone, vasomotor center, etc.
• Male reproductive system structure, gametogenesis and ejaculation. Endocrine function of testes, its control and abnormalities
• Lactation

\* Micturition physiology

\* Neural basis of **sexual behavior.**

B- Pathology Course content:

1. **Acute and chronic inflammation:**
   • Acute inflammation (vascular changes, cellular events, chemical mediators of inflammation) and outcome of acute inflammation.
   • Chronic inflammation (definition, causes and histological features)
   • Systemic effects of inflammation.

2. **Tissue repair, cellular growth, fibrosis and wound healing**

3. **Hemodynamic disorders, thrombosis and shock:**
   • Edema hyperemia, hemorrhage and thrombosis
   • Embolism
   • Infarction
   • Shock
   • Disseminated intravascular coagulopathy

4. **Neoplasia**
   • Characteristics of benign and malignant neoplasm.
   • Molecular basis of cancer
   • Carcinogenic agents and their cellular interaction
   • Host defense against tumors - tumor immunity
   • Clinical features of tumors (effect of tumor on host, grading and staging of tumors, laboratory diagnosis of cancer)

5. **Genetic disorders:**
   • Cytogenetic disorders involving autosomes and sex chromosomes.

6. **Female genital tract:**
   • Female genital infection, vulval, vaginal, cervical pathological conditions
   • Body of the uterus, endometrium, Fallopian tubes and ovaries related pathological conditions
   • Gestational and placental disorders

7. **Breast:**
   • Disorders of development, inflammation and benign breast conditions
   • Tumors of the breast
   • Male breast, gynecomastia and carcinoma

8. **Endocrine system:**
- Pituitary and hypothalamic disorders
- Thyroid, parathyroid and adrenal glands disorders.

- **Bone:**
  - Modeling and remodeling. Bone growth and development.
  - Osteopenia and osteoporosis.

- **Lower urinary tract:**
  - Urinary bladder pathological conditions

This will be delivered in lectures which will constitute a guide for self directed learning.

- **Student Assessment Methods**
  1. Written exam to assess knowledge
  2. Oral exam

- **Weighing of assessment**
  1. Written exam: 30%
  2. Oral exam: 20%
  Total: 50%

- **List of References**

  - **Course Notes (paper and / or electronic)**
    Lecture notes and a guide for self directed learning

  - **Essential Books (Text Books)**
    Guyton: Textbook of Medical Physiology.
    Ganong: Review of Medical Physiology.
    Illustrated medical physiology

  - **Recommended Books**

  - **Periodicals, Web Sites, etc**
    http://www.webpath,
    http://www.pathguy
    http://www.pathmax.com,
    http://www.uwo.ca/pathol/resources.html

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**Applied Microbiology & Public Health Course Specifications**

University: Ain Shams University  
Faculty: of Medicine

Course specifications
Program on which the course is given: Diploma in Obstetrics and Gynecology
**Major or minor element of programs:** Minor.

**Department offering the program:** Department of Obstetrics and Gynecology

**Department offering the course:** Microbiology and immunology and community medicine

**Academic Level:** diploma – 1st semester

**Date of specification approval:** ........................................

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### A- Basic Information

**Title:** Microbiology & Public Health course  
**Code:** OG 90990  
**Credit Hours:** 1 hour  
**Lecture:** 1 h/week  
**Total:** 15 hours

**Coordinator**  
Obstetrics & Gynecology Department

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### B- Professional Information

#### 1. Overall Aims of Course

Public Health is the bridge between the community and clinical medicine. The main aim of public health course is to provide the candidate with adequate, recognizable and applicable knowledge and skills for the steps of health management and the health programs available in Egypt.

In this combined course, Microbiology will reveal to the students the infective agents as a cause of the disease and will help them be initiated to the domain of primary prevention of the disease. There will be a focus on microorganisms causing genital tract infections with special emphasis on those which are sexually transmitted and those vertically transmitted from mother to fetus whether causing congenital malformations or not and those causing puerperal sepsis and surgical site infections. Furthermore, a topic on vaccination of the pregnant women will also be included.

#### 2 – Intended Learning Outcomes of Course (ILOs)

**a-** Knowledge and Understanding:

*By the end of the course the candidate will be able to:*

a1 - Identify health policy in Egypt.

a2 - Recognize the importance of different community health programs.

a3 - Explain the three levels of prevention in relation to individual, family, and community health.

a4 - Recognize the health care delivery system in Egypt.

a5 – Identify steps the steps of the available community health problems  

a6 - explain the basic concepts of biostatistics  

a7 - Understand the basics of Evidence based medicine

a8, Illustrate general bacterial morphology, physiology and genetics.

a9. Understand the host parasite relationship and microbial pathogenesis.
a). Explain the physiology of the immune system, its beneficial role, as well as its detrimental role in hypersensitivity, autoimmunity and transplant rejection.
a). Describe the morphology, culture, antigenic structure and virulence factors of microorganisms of medical importance.
a). Recognize the most important infectious clinical conditions and outline the diagnosis, treatment, prevention and control of the most likely organisms causing such diseases.
a). Describe the most important methods of decontamination and principles of infection control
a). Describe recombinant DNA biotechniques.
a). Describe the basics of antimicrobial uses and resistance.

b- Intellectual Skills
By the end of the course the candidate will be able to:

b1. Apply levels of prevention in different situations.
b2. Apply the management function in each community health programs as applied to the field of reproductive medicine.
b3. apply the concepts of biostatistics as needed for his research project
b4. Formulate an answerable clinical question
b5. Interpret results of microbiological, serological and molecular tests
b6. Interpret microbiological, immunological and molecular reports
b7. Formulate a systematic approach for laboratory diagnosis of common infectious clinical conditions and select the most appropriate and cost-effective tool leading to the identification of the causative organism
b8. Evaluate according to evidence the causal relationship of microbes and diseases
b9. Categorize a microorganism as a bacterium, virus or fungus according to standard taxonomy
b10. Report and appraise a concise scientific activity according to standard scientific thinking and integrity
b11. Appreciate the danger of handling and use of infectious agents on community and environment as a part of their ethical heritage

c- Professional and Practical Skills
By the end of the course the candidate will be able to:
c1. utilize the available community resources
c2. Implement one of the steps of management skills in one chosen health project effectively.
c3. master the use of simple biostatistics softwear
c4. Adequately perform a literature search based on evidence

d- General and Transferable Skills
By the end of the course the candidate will be able to:

d1- Use database to collect material needed for research.
d2- Gather and organize material from various sources (including library, electronic and online resources).
d3- Present a research assignment orally and deliver it in both written and electronic forms.
d4- Ensure that request form and specimen identification is accurate and identify and resolve any errors or discordance.
d5- Communicate with members of the community and health care systems promptly and accurately.
d6- Understand the importance of continuing professional development.
d7- Demonstrate knowledge of the importance of ethical approval and patient consent for clinical research.
d8- Work cooperatively and show respect for others opinions.

Course content:

A- Epidemiology and Statistics:

1. Cross Sectional Studies
2. Case Control Studies
3. Prospective Studies
4. Clinical Trials
5. Association and Causation
6. Surveillance System
7. Screening Tests
8. The basic concepts of evidence based medicine and evidence based e-search

B- Topics Of Public Health and Preventive Medicine:

1. Maternal Care: Premarital, Preconceptional, Antenatal Care, Post Natal Care
   - Health Education In Pregnancy
   - Maternal Mortality
   - Immunization in Pregnancy
2. Quality Assurance and Quality Management in Maternal Care
3. High Risk Pregnancy and High Approach In Maternal Care
4. Breast Feeding
5. Osteoporosis
6. Prevention Of Hospital Infection
7. Health Management
8. Sexually Transmitted Diseases
9. Nutrition In Pregnancy
10. Female Circumcision
11. Behavioral Medicine
C- Topics of Microbiology

I- Basic Microbiology and Immunology lectures:
  1. Bacterial structure, physiology & classification
  2. Bacterial genetics, Antimicrobial agents, mechanisms of action and resistance
  3. Staphylococci, Streptococci & Enterococci
  4. Clostridia and other Gram positive bacilli (Corynebacteria, Listeria, bacillus group and actinomyces)
  5. Neisseria and Parvobacteria (Haemophilus, Bordetella, Brucella, Legionella, Yersinia & Pasteurella)
  6. Enterobacteriaceae
  7. Pseudomonas, Vibrios, Campylobacter & Helicobacter
  8. Gram negative anaerobic bacteria
  9. Spirochetes
  10. Mycobacteria
  11. Chlamydia, Mycoplasma, Rickettsia
  12. Basic microbiology: classification of fungi, antifungal drugs
  13. Basic Virology
  14. Major Virus Groups
  15. Major virus Groups
  16. Basic Immunology: Tissues and cells of immune response, types of immune response, Immunoglobulins, Humoral immune response, complement, Ag-Ab reactions
  17. Cell mediated immunity, Cytokines, immunity to bacterial infection and immunoprophylaxis
  18. Hospital acquired infection and infection control
  19. Hypersensitivity
  20. Autoimmunity and Tumour Immunology
  21. Transplantation immunity
  22. Immunodeficiency and infections in immunocompromised host

II- Applied Microbiology:
  1. Sterilization and disinfectants
  2. Epidemiological aspects, Host parasite relationship, diagnostic lsb. methods and typing
  3. URTIs, LRTIs
  4. Hepatitis and other GIT infections
  5. UTIs
Sexually transmitted infections
Septicemia, Bacteremia, FUO
CNS infections
Bone and joint infections
Device related infections: UCRIs, IVDRIs, VAP and ICU IC measures
Perinatal and Congenital infections and NICU IC measures
Skin and Soft Tissue Infections
Infections of The Eye
Infections In Immunocompromized Host
Dialysis Unit, Endoscopy Unit
SSI and OR IC measures

Student Assessment Methods (as a part of the assessment by the end of the first part of the program as bylaws)
1. written exam to assess knowledge
2. oral exam

Weighing of assessment
1. written exam 30 (15+15)
2. oral exam 20 (10+5)
Total 50

List of References
1. Course Notes (paper and / or electronic)
   Notes guidelines and self study written by staff members
2. Essential Books (Text Books)
   Jawetz, Melnick and Adelberg’s Medical Microbiology
3. Recommended Books
4. Periodicals, Web Sites, etc
   o asmnews@asmusa.org
   o http://www.phage.org/issue_9.htm
   o http://www.microbe.org/microbes/virus_or_bacterium.asp
   o http://www.bact.wisc.edu/Bact330/Lecturetopics
   o http://whyfiles.org/mad_cow.html
   o http://www.microbelibrary.org/
   o http://www.hepnet.com/hepb.htm
   o http://www.tulane.edu/~dmsander/Big_Virology/BVHomePage.html
   o http://whyfiles.org/whyfiles.html
   o http://www.mic.ki.se/Diseases/cv.html
   o http://www.med.sc.edu:80/book/welcome.htm
Internal Medicine Course Specifications
University: Ain Shams University  Faculty: Medicine

Course specifications
Program on which the course is given: Diploma in Obstetrics and Gynecology
Major or minor element of programs: Minor.
Department offering the program: Department of Obstetrics and Gynecology
Department offering the course: Department of Internal Medicine
Academic Level: Diploma – 1st semester
Date of specification approval: ........................................

A- Basic Information
Title: Internal Medicine Course  Code: OG\textsuperscript{A, 0, 4}
Credit Hours: 1.5 hour  Lecture: 1.5 h/week  Total: 22 hours

Coordinator
Obstetrics & Gynecology Department

B- Professional Information

1. Course Aims:
a- Understand the scientific principles underlying health and disease.
b- Provide an appropriate background covering the common and important emergencies and diseases.
c- Prepare candidate for independent and life-long learning by encouraging self-directed study.
d- Enable the development and application of appropriate professional attitudes, communication and problem solving skills.

1. Intended Learning Outcomes (ILOs) from the Course:
a- Knowledge and understanding
By the end of the course the candidate will be able to:
a\textsuperscript{A}- Discuss the common medical problems presenting to doctors - in primary health care setting, hospital and community - their diagnosis, prevention and treatment.
a\textsuperscript{A}\textsuperscript{A}- Identify disease in terms of mental, functional and physical processes
a\textsuperscript{A}\textsuperscript{A}\textsuperscript{A}- State the clinical manifestations and differential diagnosis of common medical disorders with an emphasis on the incidence of the different manifestations and their relative importance in establishing diagnosis, and the early manifestations of serious diseases (e.g. malignancy, emergencies …etc)
a\textsuperscript{2} - Recognize the normal aging process in terms of physiologic and clinical manifestations and identify age related diseases and variable causes of disability in old age.

a\textsuperscript{3} - Name the role, prevalence and limitations of alternative and complementary medicine.

b - Intellectual skills

\textbf{By the end of the course the candidate will be able to:}

b\textsuperscript{1} - Analyze symptoms & signs and construct a differential diagnosis for common presenting complaints.

b\textsuperscript{2} - Design an appropriate diagnostic plan for evaluation of common presenting complaints which is appropriate in terms of the differential diagnosis, the severity of the clinical situation and the risks, benefits and costs to the patient.

b\textsuperscript{3} - Accurately interpret the results of commonly used diagnostic procedures.

b\textsuperscript{4} - Identify risk factors for disease processes and injury, and institute the appropriate diagnostic, preventive, and therapeutic interventions.

b\textsuperscript{5} - Identify the indications and logistics of referring patients to higher levels of experience or specialization as a principle for the family doctor (GP).

b\textsuperscript{6} - Construct treatment plan, incorporating his knowledge, best available evidence, and patient’s preferences in a cost effective manner.

c - Professional skills

\textbf{By the end of the course the candidate will be able to:}

c\textsuperscript{1} - Take a thorough history of appropriate depth and detail, relative to the clinical context.

c\textsuperscript{2} - Demonstrate a complete and/or problem-focused physical examination.

b\textsuperscript{3} - Recognize urgent life-threatening conditions, and institute appropriate initial management.

b\textsuperscript{4} - Safely perform routine diagnostic and therapeutic procedures, including life support.

b\textsuperscript{5} - Use appropriate sterile technique, Comply with and use universal precautions.

b\textsuperscript{6} - Recognize and carry out the treatment of the emergency situations.

d - General and transferable skills

\textbf{By the end of the course the candidate will be able to:}

d\textsuperscript{1} - have the ability to explore both disease and illness with patients, and meet their communication needs and those of their relatives through the acquisition of effective Comprehensive Clinical Method;

d\textsuperscript{2} - be able to work within the organisational, interpersonal and inter-professional dynamics of the clinical team;

d\textsuperscript{3} - be able to make judgements about their strengths and weaknesses and take responsibility for continuing learning, personal support and professional development.
- Course content:

**Hypertension and pre-eclampsia**
Hypertension in pregnancy (pre-existing, pregnancy-induced, pre-eclampsia)
Pre-eclampsia (pathogenesis, risk factors, clinical features, diagnosis)
Management of hypertension in pregnancy (monitoring for pre-eclampsia, treatment of hypertension, fetal surveillance, decision regarding time of delivery, drug therapy)
Treatment of acute severe hypertension / pre-eclampsia / eclampsia

**Heart disease**
Rheumatic heart disease with pregnancy (manifestations, effect of pregnancy, management)
Anticoagulation for artificial heart valves with pregnancy

**Thromboembolic disease**
Physiological changes in the coagulation system with pregnancy
Deep venous thrombosis, pulmonary embolism (pathogenesis, risk factors, diagnosis, management)
Thrombo-prophylaxis during pregnancy (indications, antenatal and postnatal protocol)

**Respiratory disease**
Asthma and COPD (clinical features, diagnosis, effect of pregnancy, summary of management)
Management of acute severe asthma
Tuberculosis and sarcoidosis (clinical features, diagnosis, effect of pregnancy, management)

**Diabetes mellitus**
Pre-existing diabetes mellitus (maternal and fetal complications of pregnancy, effect of pregnancy on diabetes mellitus, effect of pre-existing diabetes mellitus on pregnancy, obstetric management of diabetes mellitus)
Gestational diabetes (epidemiology, clinical features, importance, screening and diagnosis, medical management, obstetric management)

**Thyroid and parathyroid disease**
Physiological changes related to thyroid and parathyroid gland during pregnancy
Hypothyroidism and Hyperthyroidism (clinical features, diagnosis, effect of pregnancy on thyrotoxicosis, effect of thyrotoxicosis on pregnancy, management)
Disorders of the parathyroid gland (clinical features, effect of pregnancy, management)

**Pituitary and adrenal disease**
Physiological changes related to pituitary and adrenal glands during pregnancy
Diseases of the pituitary gland - Hyperprolactinemia, Diabetes Insipidus (clinical features, diagnosis, effect of pregnancy, management)
Sheehan’s syndrome (pathogenesis, diagnosis, effect of pregnancy, management)
Diseases of the adrenal gland - Cushing’s syndrome, Conn’s syndrome, Pheochromocytoma, Addison’s disease (clinical features, diagnosis, effect on pregnancy, management)

**Connective tissue diseases**
Systemic lupus erythematosus (clinical features, diagnosis, effect of pregnancy on systemic lupus erythematosus, effect of systemic lupus erythematosus on pregnancy, management)
Antiphospholipid syndrome (clinical features, diagnosis, effect of pregnancy on antiphospholipid syndrome, effect of antiphospholipid syndrome on pregnancy, summarized management)

**Neurological disorders**
Ischemic and hemorrhagic stroke (clinical features, causes, diagnosis, management)

**Liver disease**
HBV and HCV infection with pregnancy
Obstetric cholestasis (clinical features, pathogenesis, diagnosis, management)
Acute fatty liver of pregnancy (clinical features, pathogenesis, diagnosis, management)
HELLP syndrome (clinical features, pathogenesis, diagnosis, management)

**Renal disease**
Physiological adaptation and physiological renal changes with pregnancy
Urinary tract infections during pregnancy (asymptomatic bacteriuria, acute cystitis, acute pyelonephritis)
Hypovolemic shock, acute renal injury

**Hematological disorders**
Iron deficiency anemia (causes, clinical features, diagnosis, effect of iron deficiency anemia on pregnancy, management)
Sickle cell anemia (clinical features, diagnosis, effect of sickle cell anemia on pregnancy, effect of pregnancy on sickle cell anemia, management)
Thalassemia (clinical features, diagnosis, management)
Thrombocytopenia (causes, clinical features, effect of ITP on pregnancy, effect of pregnancy on ITP, management)
DIC (obstetric causes, clinical features, diagnosis, management)

**Infections**
HIV infection (clinical features, pathogenesis, diagnosis, screening, effect of pregnancy on HIV, effect of HIV on pregnancy, antenatal, intrapartum and postnatal management)

**Differential diagnosis of medical problems with pregnancy**
- Dyspnea
- Palpitation
- Chest pain
- Convulsions
- Proteinuria
- Jaundice
- Vomiting
- Abdominal pain

**Drugs which are contraindicated during pregnancy (safe prescriptions)**

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**- Student Assessment Methods (as a part of the assessment by the end of the first part of the program as bylaws)**

\( 1, \times \) written exam to assess knowledge

\( \times, \hat{\imath} \) oral exam

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**Weighing of assessment**

\( \hat{\imath}, \times \) written exam \( \times \)

\( \times, \hat{\imath} \) oral exam \( \hat{\imath} \)

Total \( \times \)

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**- List of References**

- Course Notes (paper and / or electronic)
- Essential Books (Text Books)
- Recommended Books

Catherine Nelson-Piercy, Handbook of Obstetric Medicine (4th edition, \( \times \)), Informa Healthcare

- Periodicals, Web Sites, etc
**GENERAL SURGERY COURSE SPECIFICATIONS**

**General Surgery Course Specifications**

**University:** Ain Shams University  
**Faculty:** of Medicine

**Course specifications**

**Program on which the course is given:** Diploma Obstetrics and Gynecology  
**Major or minor element of programs:** Minor.  
**Department offering the program:** Department of Obstetrics and Gynecology  
**Department offering the course:** Department of Obstetrics and Gynecology

**Academic Level:** MSc – 1st semester  
**Date of specification approval:** .........................

**A- Basic Information**

**Title:** General Surgery Course  
**Code:** OG 0990  
**Credit Hours:** 1.5 hour  
**Lecture:** 1.0 h/week  
**Total:** 22 hours

**Coordinator**
Obstetrics & Gynecology Department

**B- Professional Information**

**1- Course Aims:**

- To provide the student with the knowledge, and skills which enable him/her to identify, analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and humane patient care.
- To provide the student with an appropriate background covering the common and/or important surgical emergencies.
- To enable the student to detect cancer at an early stage.
- To enable the development and application of appropriate professional attitudes, ethical principles and communication skills.

**1- Intended Learning Outcomes (ILOs) from the Course:**

**a- Knowledge and understanding**

**By the end of the course the candidate will be able to:**

- a1 - Describe the anatomy of surgically-important regions, organs and structures of the body.
- a2 - Describe the etiology, pathogenesis and pathology of important and/or common surgical diseases.
- a3 - Discuss the clinical manifestations, complications, diagnostic modalities,
outcome and treatment plans for common and/or important surgical problems, with special emphasis on emergencies and malignancies.

a- Explain the methods of screening and early detection of cancer.

a- Recognize the ethical principles that govern decision-making in surgical practice.

a- Discuss the principles and practice of preoperative preparation and postoperative care.

a- Describe the basic steps needed for the conduction of safe anesthesia.

a- Outline the physiologic effects of pain and the principles of its management.

b- Intellectual skills

By the end of the course the candidate will be able to:

b- Interpret patient symptoms and physical findings in terms of their anatomic, pathologic and functional diagnostic significances.

b- Identify problems, prioritize them, and generate a list of differential diagnosis for each problem.

b- Select the most appropriate and cost-effective diagnostic and therapeutic procedure for each problem.

b- Interpret the results of commonly used diagnostic procedures.

b- Use the results of all the tests ordered to modify the problem list and the differential diagnosis accordingly.

b- Combine the clinical and investigational database, with the evidence-based knowledge and the skill of deductive reasoning to be proficient in clinical problem-solving.

b- Interpret the observations of chemical tests to identify unknown sugar or protein solutions.

c- Professional skills

By the end of the course the candidate will be able to:

c- Recognize patients with life/organ-threatening surgical conditions and perform appropriate initial therapy.

c- Identify and outline management of patients with chronic surgical conditions requiring long-term follow-up, rehabilitation and pain relief.

c- Perform routine bedside procedures.

c- Apply the principles of sterile techniques and infection control guidelines.

c- Achieve consensus with the patient or patient surrogate on the treatment plan selected.

c- Monitor the effectiveness of therapy by identifying clinical and investigative parameters to be used in assessing the patient’s response to treatment and re-evaluate management plan accordingly.

d- General and transferable skills
By the end of the course the candidate will be able to:

d1 - Work effectively in a group during preparation of seminars.
d2 - Respects the role of staff and co-staff members regardless of degree or occupation.

3 - Course content:

1. Basic surgical techniques
2. Basic principles of anaesthesia
3. Hemorrhage & blood transfusion
4. Healing & management of wounds
5. Surgical infections & antibiotics
6. Postoperative complications
7. Cardiopulmonary resuscitation
8. Hepatobiliary disorders & spleenomegally
9. Urinary tract disorders
10. Breast
11. Thyroid gland
12. Abdominal incisions
13. Varicose veins, dvt, pulmonary embolism

4 - Student Assessment Methods (as a part of the assessment by the end of the first part of the program as bylaws)

written exam to assess knowledge
oral exam

Weighing of assessment

<table>
<thead>
<tr>
<th>Written exam</th>
<th>Oral exam</th>
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</thead>
<tbody>
<tr>
<td>60%</td>
<td>20%</td>
</tr>
</tbody>
</table>

Total 80%

5 - List of References

5.1 - Course Notes (paper and / or electronic)

Notes guidelines and self study written by staff members

5.2 - Essential Books (Text Books)

Bailey and Love’s Short Practice of Surgery, 23rd Edition.

Current Surgical Diagnosis and Treatment, 11th Edition.
Browse NL: An introduction to the Symptoms and Signs of Surgical Disease.

- **Recommended Books**
- **Periodicals, Web Sites, etc**

### 4rd Part

<table>
<thead>
<tr>
<th>Didactic and Clinical Obstetrics &amp; Gynecology</th>
<th>Code:</th>
<th>OG ٩٠٦</th>
<th>OG ٩٠٧</th>
</tr>
</thead>
</table>

**Credit Hours:** \( \frac{14}{9+5} \)  
**Lecture:** Total actual hours \( 135 \)  
**Clinical:** Total actual hours \( 180 \)

Didactic and Clinical Obstetrics & Gynecology  
**University:** Ain Shams University  
**Faculty:** of Medicine

#### Course specifications

**Program on which the course is given:** Diploma of Obstetrics & Gynecology  
**Major or minor element of programs:** Major  
**Department offering the program:** Obstetrics & Gynecology Department  
**Department offering the course:** Obstetrics & Gynecology Department  
**Academic Level:** Diploma 4th, 5th and 6th semesters  
**Date of specification approval:** ...........................................

#### A - Basic Information

**Title:** Didactic and Clinical Obstetrics & Gynecology  
**Code:** OG ٩٠٦ & OG ٩٠٧  
**Credit Hours:** \( \frac{14}{9.5} \) hours  
**Lecture:** \( 3 \) h / week for \( 3 \) semesters  
**Total:** \( 135 \) lecture hours  
**Clinical:** \( 4 \) h / week for \( 3 \) semesters  
**Total:** \( 180 \) clinical hours

**Coordinator**  
Obstetrics & Gynecology Department

#### B - Professional Information

**Course Aims:**

At the completion of this course participants will develop the knowledge and skills to:

1. Conduct physical examinations and counsel patients in a sensitive and culturally-competent manner;
2. Appropriately diagnose and manage common gynecologic problems encountered in out-patient clinic, emergency department and selected in-patient cases;
Foster disease prevention and health promotion in relation to women's health;
Utilize evidence-based guidelines for applying best scientific evidence in the field of gynecology to patient centered practice.

**Intended Learning Outcomes (ILOs) from the Course:**

**a- Knowledge and understanding**

*By the end of the course the candidate will be able to understand:*

1. The applications of basic sciences relevant to the practice of gynecology.
2. The pattern of symptoms in women presenting with gynecological problems and the patho-physiological basis of these symptoms
3. The physiology of reproduction at different ages
4. The indications, techniques and complications of contraception
5. The epidemiology, etiology, clinical presentation, management and complications of common and important gynecological conditions affecting various age groups
6. The epidemiology, etiology, clinical presentation and management of sexual transmitted diseases
7. The causes, presentation and management of various sexual dysfunctions
8. The causes, manifestations and principles of management of benign and malignant gynecological tumors and pre-malignant conditions
9. The different types of surgical instruments and surgical techniques used in obstetric and gynecological surgery
10. The principles of perioperative care including; pain control, the use of anesthetic agents, appropriate fluid and electrolyte balance and the use of blood products
11. The principles of nutritional support as related to gynecological conditions.
12. The types and management of early and late post-operative complications related to gynecological surgery.
13. The physiology, clinical manifestations and management of perimenopause and menopause.

**b- Clinical intended learning outcomes**

*By the end of the course the candidate will be able to:*

1. Take and analyze a gynecological history and perform complete obstetric and gynecological examination including:
   *Breast examination
   *Abdominal examination
   *Vaginal examination (bimanual and by using speculum)
Perform Microbiology swabs and Cervical smear

Request appropriate investigations where relevant and interpret the results

Record and communicate accurately the results of examination and the interpretation of laboratory findings

Propose a diagnosis and differential diagnosis for different clinical problems encountered in the obstetrics and gynecology practice

Plan accurate and prioritized management options for different disorders

Assess and manage women with perimenopausal symptoms and with menopausal problems

Recognize common and life threatening complications of different gynecological disorders and install appropriate management

Recognize and initiate management for common and important medical and surgical conditions that might affect women with gynecological problems.

Work collaboratively with specialists in different medical and surgical specialties to manage these problems

c- Communication skills, ethics and professionalism

By the end of the course the candidate will be able to:

Communicate effectively with patients and their relatives to reach the necessary partnership needed for successful treatment

Work collaboratively as a team member or team leader in health care teams from the same or different specialties

Communicate proficiently both verbal and in written with colleagues and team members

Continuously demonstrate responsible behavior consistent with highest ethical standards of the profession

Appreciate and respects patients privacy, dignity and believes

Appreciate the impact of culture and religion on patients' attitudes towards their illness and health and towards different interventions

Respect ethical standards related to research during the conduction of his research project.

Apply the major ethical principles related to beneficences, non-malfeasances, respect of autonomy and justices in all his working conditions and when facing different ethical dilemmas

Display a professional image in manner, dress, speech and interpersonal relations that is consistent with the medical profession accepted standards in the community.

d- Self learning and continuous professional development skills:

By the end of the course the candidate will be able to:

Develop, implement and monitor personnel and professional development plans
that depend on self-critical evaluation and identification of practice and knowledge gaps.

- Use information technology to access obstetrics and gynecology medical literature and electronic resources
- Appraise obstetrics and gynecology literature to find relevant and valid information needed to update his practice
- Participate in research/audit projects during training.
- Use office processing software in preparation of presentations from his research/audit project

### Course Content:

#### Module 1: Gynecology

<table>
<thead>
<tr>
<th>Topics</th>
<th>No of hours</th>
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<tbody>
<tr>
<td>Overview of reproductive physiology and endocrinology including puberty and menarche</td>
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<tr>
<td>Overview of the physiology and endocrinology of menopause</td>
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<tr>
<td>Overview of Genetics related to Gynecology and women's health</td>
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<tr>
<td>Contraception and Family planning</td>
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<tr>
<td>Menstrual disorders</td>
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<tr>
<td>Problems of the Climacteric</td>
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<tr>
<td>Amenorrhea and reproductive endocrinology disorders</td>
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<tr>
<td>Puberty disorders</td>
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<tr>
<td>Congenital disorders of the female genital tract</td>
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<tr>
<td>Benign vulval and vaginal conditions</td>
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<tr>
<td>Fibroid uterus</td>
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<td>Benign ovarian disorders</td>
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<td>Pelvic pain</td>
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<td>Endometriosis</td>
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<td>Pelvic inflammatory disease</td>
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<tr>
<td>Premalignant lesions of the Vulva and Vagina</td>
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<td>Premalignant lesions of the Cervix</td>
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<td>Premalignant conditions of the Uterus</td>
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<td>Malignant conditions of the Vulva and Vagina</td>
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<td>Malignant conditions of the Cervix</td>
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<td>Malignant conditions of the Uterus</td>
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<td>Malignant conditions of the Ovaries</td>
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<td>Module 1: Obstetrics</td>
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<tr>
<td>Fertilization &amp; Early Development</td>
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<tr>
<td>Maternal and Fetal physiology during pregnancy</td>
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<tr>
<td>Diagnosis of Pregnancy &amp; Estimation Of Gestational Age</td>
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<tr>
<td>Antenatal care &amp; High-risk Pregnancy</td>
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<tr>
<td>Miscarriage and recurrent pregnancy loss</td>
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<td>Ectopic Pregnancy</td>
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<td>Antepartum Hemorrhage</td>
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<td>Fetal Demise</td>
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<td>Isoimmunization, Fetal anemia and fetal hydrops</td>
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<tr>
<td>Intrauterine Growth Restriction</td>
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<td>Macrosomia</td>
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<td>Congenital Fetal anomalies</td>
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<td>Prolonged Pregnancy</td>
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<td>Preterm Labor</td>
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<td>Preterm Premature Rupture Of Membranes</td>
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<td>Abnormal amniotic fluid volume</td>
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<td>Upper digestive tract disorders</td>
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<td>Dermatologic disorders</td>
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<td>Heart Disease With Pregnancy</td>
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<td>Thromboembolic disorders</td>
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<td>Anemias</td>
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<td>Thrombocytopenia</td>
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<td>Chest Diseases</td>
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<td>Acute and Chronic Liver Diseases</td>
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<td>Diabetes Mellitus</td>
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<td>Thyroid Dysfunction</td>
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<td>Asymptomatic Bacteruria</td>
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<td>Renal Disorders</td>
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<td>Hypertensive Disorders</td>
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<td>Epilepsy</td>
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<td>INFECTIOUS DISEASES</td>
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<td>FETAL MONITORING</td>
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<td>ASSESSMENT OF FETAL MATURITY</td>
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<tr>
<td>NORMAL LABOR</td>
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<td>Factors Affecting the Progress of Labor</td>
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<td>Mechanism &amp; Progress of Labor</td>
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<td>Active Management of Normal Labor</td>
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<td>INDUCTION OF LABOR</td>
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<td>ABNORMAL LABOR</td>
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<tr>
<td>ABNORMAL UTERINE ACTION</td>
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<tr>
<td>Precipitate Labor</td>
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<td>OBSTRUCTED LABOR</td>
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<td>CONTRACTED PELVIS</td>
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<td>Occiput Posterior Position</td>
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<td>Face Presentation</td>
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<td>Brow Presentation</td>
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<td>Breech Presentation</td>
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<td>Shoulder Presentation</td>
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<td>Complex Presentation</td>
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<td>SHOULDER DYSTOCIA</td>
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<td>CORD PRESENTATION &amp; PROLAPSE</td>
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<td>MULTIPLE PREGNANCY</td>
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<td>NORMAL Puerperium</td>
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<td>Postpartum Blues</td>
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<td>Subinvolution of the uterus</td>
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<td>Puerperal Pyrexia</td>
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<td>Puerperal Sepsis</td>
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<td>Breast engorgement</td>
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<td>Acute mastitis</td>
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<td>Suppression and failure of Lactation</td>
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<tr>
<td>Retained Placenta</td>
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<tr>
<td>Atonic Postpartum Hemorrhage</td>
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</tbody>
</table>

41
Traumatic Postpartum Hemorrhage
Ruptured Uterus
Cervical Tears
Perineal & Vaginal Tears
Inversion of the Uterus
OBSTETRIC SHOCK and postpartum collapse
Hypovolemic Shock
Septic Shock
NEONATOLOGY
Cesarean section
Obstetric Forceps
Vacuum Extractor (Ventouse)

L: Lecture, C/P: Clinical or Practical and SDL: Self directed learning

**DIAGNOSTIC AIDS IN OBSTETRICS & GYNECOLOGY**

Diagnostic Aids in Obstetrics & Gynecology
University: Ain Shams University  Faculty: of Medicine

**Course specifications**

**Program on which the course is given:** Diplomain Obstetrics and Gynecology

**Major or minor element of programs:** Major.

**Department offering the program:** Department of Obstetrics and Gynecology

**Department offering the course:** Department of Obstetrics and Gynecology

**Academic Level:** diploma – ⁷nd thru the ⁴th semester

**Date of specification approval:** ............................................

---

**A- Basic Information**

**Title:** Diagnostic Aids in Obstetrics & Gynecology  
**Code:** OG ⁴ • • •

**Credit Hours:** ⁷ hours  
Clinical attendance  ⁴ h/ week  
**Total:** ⁷ • hours

**Coordinator**

Obstetrics & Gynecology Department

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**B - Professional Information**

**Course Aims:**

The aim of this course is to orient the candidate to the wide variety of available diagnostic aids which may help them in the adequate management of their patients in their day to day practice. These will include both invasive and non invasive methods. An important aim of this course is to help the practicing physician chose what is best suited for his patient condition without being biased by the latest state of the art available diagnostic tools. It will also help him to properly interpret the
result in the clinical context.

**- Intended Learning Outcomes (ILOs) from the Course:**

**a- Knowledge and understanding**
By the end of the course the student should be able to:

- Understand the difference between the concept of diagnosis and screening relevant to the obstetrics & gynecology practice
- Identify the need to order various imaging modalities available for the different conditions of the obstetrics & gynecology practice
- Identify the need to order various endoscopic modalities available for the different conditions of the obstetrics & gynecology practice
- Identify the need to order various serologic, cytologic, microbiological and histopathological examinations.
- Enumerate the required investigations needed for particular situations: preoperative, postoperative, antenatal care, etc…

**b- Intellectual Skills**
By the end of the course the candidate should be able to:

- Properly select the diagnostic aid needed for a particular situation
- Choose between different alternatives if the requested diagnostic aid is not available or beyond the patient or institution capabilities
- Properly interpret the results of the diagnostic aid
- Skillfully incorporate the interpretation of the diagnostic aid in the therapeutic plan of his patient
- Properly perform cervical smear
- Properly perform level I ultrasound examination for pregnancy
- Properly perform a diagnostic laparoscopy
- Properly perform an office hysteroscopy

**c- Communication skills, ethics and professionalism**

*By the end of the course the candidate will be able to:*

- Communicate effectively with patients and their relatives to reach the necessary partnership needed for successful treatment
- Work collaboratively as a team member or team leader in health care teams from the same or different specialties
- Communicate proficiently both verbal and in written with colleagues and team members
- Continuously demonstrate responsible behavior consistent with highest ethical standards of the profession
- Appreciate and respects patients privacy, dignity and believes
- Appreciate the impact of culture and religion on patients' attitudes towards their illness and health and towards different interventions
v. Respect ethical standards related to research during the conduction of his research project.
∧. Apply the major ethical principles related to beneficences, non-malfeasances, respect of autonomy and justices in all his working conditions and when facing different ethical dilemmas
∩. Display a professional image in manner, dress, speech and interpersonal relations that is consistent with the medical profession accepted standards in the community.

d- Self learning and continuous professional development skills:
By the end of the course the candidate will be able to:
\1. Develop, implement and monitor personnel and professional development plans that depend on self-critical evaluation and identification of practice and knowledge gaps.
\2. Use information technology to access obstetrics and gynecology medical literature and electronic resources
\3. Appraise obstetrics and gynecology literature to find relevant and valid information needed to update his practice
\4. Participate in research/audit projects during training.
\5. Use office processing software in preparation of presentations from his research/audit project

£ - Student Assessment Methods
£1. written exam to assess knowledge and understanding
£2. clinical and practical exam to demonstrate proficiency in the acquired skills
£3. oral exam

Weighing of assessment
£1. written exam £1.
£2. Practical and clinical 36.
Total 8.

End semester exam 30.

º -- List of References
º1. Course Notes (paper and / or electronic)
º2. Essential Books (Text Books)
Physical medicine and rehabilitation review
º3. Recommended Books
º4. Periodicals, Web Sites, etc

Elective courses
Demographic Science course specification
Ain Shams University  
Faculty of Medicine

Course Specifications:
Program in which the course is given: Medical Doctorate in Obstetrics and Gynecology
Major or minor element of programs: Minor
Department offering the program: Department of Obstetrics and Gynecology
Department offering the course: Department of Gynecology and department of Geriatrics and Gerontology
Academic year: diploma Gynecology and obstetrics
Date of specification approval: July 2009

A - Basic Information:
Title: Demographic science  
Code: E9162
Credit Hours: 2 hr  
Lecture: 2 h/wk  
Total: 9 hrs
Coordinator:

B - Professional Information:
Course Aims:
This course introduces the basic techniques of demographic analysis. Students will become familiar with the sources of data available for demographic research. Population composition and change measures will be presented. Measures of mortality, fertility, marriage and migration levels and patterns will be defined. Life table, standardization and population projection techniques will also be explored.

Intended Learning Outcomes (ILOs) from the Course:
Knowledge and Understanding:
By the end of the course the candidate will be able to:
a1 - Identify and compare the advantages and disadvantages of the different sources of demographic data.
a2 - Present appropriate techniques to ensure comparability of the measures across population.
a3 - Describe basic demographic indicators and elaborate on their computation and interpretation.
a4 - Introduce population projection calculations and analysis.

Intellectual Skills:
By the end of the course the candidate will be able to:
b1 - Identify the different sources of data and describe the advantages and disadvantages of each.
b2 - Define and differentiate the demographic concepts, terminology and formulas.
Discuss the key assumptions underlying techniques and tools.

c- Professional Skills:
By the end of the course the candidate will be able to:
c1- Describe the distribution of a population using various demographic characteristics.
c2- Construct a Lexis diagram.
c3- Perform direct and indirect methods of standardization.
c4- Construct and analyze simple and abridged life-tables.
c5- Describe the relations and calculate indicators in a stationary population
c6- Derive the mathematical relationships in a cohort life table.
c7- Estimate the rate of change in a population

c8- Project a population using appropriate equations and assumptions.
c9- Recognize and analyze typical demographic patterns arising from the data.

d- General and Transferable Skills:
By the end of the course the candidate will be able to:
d1- Demonstrate the ability to work in clinical teams and to have the necessary leadership skills
d2- Collaborate efficiently with other colleagues in management of elderly patient with gynecological disorder.

- Course content:

<table>
<thead>
<tr>
<th>Topics</th>
<th>No. of hours</th>
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<tbody>
<tr>
<td>L: Population Size, Growth, and Demographic Transition</td>
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<tr>
<td>C/P: Population Structure, Composition and Distribution</td>
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<tr>
<td>SDL: Social and Economic Consequences of Population Growth</td>
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<tr>
<td>C: Fertility and Reproduction: Data Sources and Measurement</td>
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<tr>
<td>P: Fertility Change: Trends, Differentials, Determinants and Theories</td>
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<tr>
<td>L: Mortality and morbidity: Data Sources and Measurement</td>
<td></td>
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<tr>
<td>C/P: Mortality Decline: Trends, Differentials, Theories and Prospects</td>
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<tr>
<td>SDL: Migration: Sources of Data, Measurement, Trends in Time and Space, Theories and Implications</td>
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</tbody>
</table>
Urbanization: Measurement, Theories, Trends, and Prospects
Reproductive Health: Biological Processes and Contraceptive Technology
Components of Reproductive Health
Fertility and Infertility: Processes and Management
Population Policies and Programs

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

- Student Assessment Methods
  Written exam to assess knowledge.

Weighing of assessment
  Written exam

List of References
  Course Notes (paper and / or electronic)

  Essential Books (Text Books)
  Recommended Books

Maternity course specification
University: Ain Shams  Faculty of Medicine

Course Specifications:
Program in which the course is given: Diploma in Obstetrics and Gynecology
Major or minor element of programs: Minor
Department offering the program: Department of Obstetrics and Gynecology
Department offering the course: Department of Gynecology and department of Geriatrics and Gerontology
Academic year: Diploma Gynecology and obstetrics
Date of specification approval: July 2009

A- Basic Information:
Title: Maternity                       Code: E9163
Credit Hours: 2 hr        Lecture: 2 h/wk        Total: 9 hrs
Coordinator:

B - Professional Information:
  Course Aims:
The overall goal of this program / training course is to strengthen the role of
Ob/Gyn. specialist in ensuring accessibility and affordability of high quality and up-to-date Maternal Health Care Services and Reproductive Health

a- Knowledge and Understanding:

By the end of the course the candidate will be able to:

1. Recognize gender issues and Optimal Birth Spacing Interval (OBSI) for RH clients.
2. Recognize and Mange Labor (History & exam, Newborn care and partogram).
3. Provide FP services that based on WHO Medical Eligibility Criteria.
4. Recognize Pre-eclampsia /Eclampsia.
5. Recognize bleeding after 20 weeks (Antepartum Hemorrhage)
6. Recognize Pre-Labor Rupture of Membernes.
7. Recognize bleeding before 20 weeks.
8. Recognize abortion by MVA and Post-Abortive Care (PAC).
9. Recognize Postpartum Hemorrhage.
10. Recognize Puerperal Sepsis and Postpartum Care and breastfeeding.
11. Recognize Reproductive Tract Infections including Sexually Transmitted Diseases.
12. Recognize medical problems related to the use of FP methods.

b- Intellectual Skills:

By the end of the course the candidate will be able to:

b1- Explain antenatal Care program and early Detection of High-Risk Pregnancy and Pre-existing Medical Diseases during Pregnancy.
b2- Prevent, Diagnose, and Manage Pre-eclampsia /Eclampsia.
b3- Diagnose and Manage bleeding after 20 weeks (Antepartum Hemorrhage)
b4- Prevent, Diagnose, and Manage Pre-Labor Rupture of Membernes.
b5- Diagnose and Manage bleeding before 20 weeks.
b6- Diagnose and Manage abortion by MVA and Post-Abortive Care (PAC).
b7- Diagnose and Manage Postpartum Hemorrhage.
b8- Prevent, Diagnose, and Manage Puerperal Sepsis and Postpartum Care and breastfeeding.
b9- Manage Reproductive Tract Infections including Sexually Transmitted Diseases.
b10- Manage the medical problems related to the use of FP methods.
b11- Manage infertile couples.

c- Professional skills:

By the end of this program, each participant should be able

By the end of the course the candidate will be able to:
c1- Explain antenatal Care program and early Detection of High-Risk Pregnancy
and Pre-existing Medical Diseases during Pregnancy.
c\- Prevent, Diagnose, and Manage Pre-eclampsia /Eclampsia.
c\- Diagnose and Manage bleeding after \( \geq 20 \) weeks (Antepartum Hemorrhage)
c\- Prevent, Diagnose, and Manage Pre-Labor Rupture of Membranes.
c\- Diagnose and Manage bleeding before \( \geq 20 \) weeks.
c\- Diagnose and Manage abortion by MVA and Post-Abortive Care (PAC).
c\- Diagnose and Manage Postpartum Hemorrhage.
c\- Prevent, Diagnose, and Manage Puerperal Sepsis and Postpartum Care and breastfeeding.
c\- Manage Reproductive Tract Infections including Sexually Transmitted Diseases.
c\- Manage the medical problems related to the use of FP methods.
c\- Manage infertile couples.
c\- Detect the cases of malignancies (breast and cervix) early.

d- General and Transferable Skills:
**By the end of the course the candidate will be able to:**
d\- Demonstrate the ability to work in clinical teams and to have the necessary leadership skills
d\- Collaborate efficiently with other colleagues in management of elderly patient with gynecological disorder.

\( \Rightarrow \) Course content

<table>
<thead>
<tr>
<th>Topics</th>
<th>No. of hours</th>
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<tbody>
<tr>
<td>Antenatal Care program.</td>
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<td>High-Risk Pregnancy</td>
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<td>Pre-eclampsia /Eclampsia.</td>
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<td>Bleeding After ( \geq 20 ) weeks (Antepartum Hemorrhage).</td>
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<td>Pre-Labor Rupture of Membranes</td>
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<td>Bleeding Before ( \geq 20 ) weeks.</td>
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<td>Post-Abortive Care (PAC).</td>
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<td>Normal labor and Partogram</td>
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<td>Postpartum Hemorrhage</td>
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<td>Postpartum Care, Puerperal Sepsis and breastfeeding.</td>
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<td>Menopause and HRT.</td>
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<td>Sexually Transmitted Diseases.</td>
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<tr>
<td>Medical problems related to the use of FP methods</td>
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</table>
and Postpartum IUD insertion and contraception.

Infertility
Early detection of Cancer Breast and Cervix

L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

**Lesson - Student Assessment Methods**

- Written exam to assess knowledge.

**Weighing of assessment**

- Written exam

**List of References**

- Course Notes (paper and / or electronic)
- Essential Books (Text Books)
- Recommended Books

Geriatrics Course specification
University: Ain Shams  
Faculty of Medicine

**Course Specifications:**
Program in which the course is given: diploma in Obstetrics and Gynecology
Major or minor element of programs: Minor
Department offering the program: Department of Obstetrics and Gynecology
Department offering the course: Department of Gynecology and department of Geriatrics and Gerontology
Academic year: diploma
Date of specification approval: July 2009

**A- Basic Information:**
Title: Geriatrics  
Code: E9164
Credit Hours: 2 hrs  
Lecture: 2 hrs/wk  
Total: 9 hrs
Coordinator:

**B - Professional Information:**

- Course Aims:
a- Perform a comprehensive assessment of an older person in an in-patient, out-patient, day hospital or community setting
b- Identify menopause and its sequences.
c- Recognize common gynecological disorders in old age.
d- To work effectively within a multidisciplinary team to promote the optimal recovery of patients.
- Intended Learning Outcomes (ILOs) from the Course:

a- Knowledge and Understanding:
By the end of the course the candidate will be able to:
  a\textsuperscript{\textdagger} - recognize how to evaluate the geriatric patient
  a\textsuperscript{\textdaggerdbl} - Identify the major geriatric problems
  a\textsuperscript{\textbullet} - Explain menopause and sexual function with aging.
  a\textsuperscript{\textcircled{c}} - Identify symptoms and signs of common gynecological disorders in elderly.

b- Intellectual Skills:
By the end of the course the candidate will be able to:
  b\textsuperscript{\textdagger} - Diagnose Geriatric Problems (Syndromes)
  b\textsuperscript{\textdaggerdbl} - Judge use of hormone replacement therapy.
  b\textsuperscript{\textcircled{c}} - Predict postmenopausal drawbacks.

c- Professional Skills:
By the end of the course the candidate will be able to:
  c\textsuperscript{\textdagger} - Apply different measures (assessment scales) used to assess elderly patient.
  c\textsuperscript{\textdaggerdbl} - Manage elderly patient with multiple comorbidities.
  c\textsuperscript{\textcircled{c}} - manage common gynecological conditions in elderly.

d- General and Transferable Skills:
By the end of the course the candidate will be able to:
  d\textsuperscript{\textdagger} - Demonstrate the ability to work in clinical teams and to have the necessary leadership skills
  d\textsuperscript{\textdaggerdbl} - Collaborate efficiently with other colleagues in management of elderly patient with gynecological disorder.

- Course content:

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<th>Duration</th>
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<td>- Incontinence (fecal &amp; urinary)</td>
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<td>- Infection</td>
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<td>- Low back pain</td>
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<td>- Pressure ulcers</td>
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<td>- Sleep</td>
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<td>- Menopause and Midlife Health Changes</td>
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<td>- Hormone replacement therapy</td>
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<td>- Sexuality, sexual function, and the aging woman.</td>
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<td>- Postmenopausal bleeding</td>
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<td>Malignancies</td>
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L: Lecture, T: Tutorial, C/P: Clinical or Practical and SDL: Self directed learning

**Student Assessment Methods**

**Written exam** to assess knowledge.

**Weighing of assessment**

- Written exam

**List of References**

- Course Notes (paper and / or electronic)

- Essential Books (Text Books)


- CURRENT Diagnosis & Treatment Obstetrics & Gynecology,

- Recommended Books

Principles of Geriatric Medicine and Gerontology.

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٥٦
V- General Information

\(\) – Monitoring Of Training and Submission Of Training Reports

You must keep proper and updated records in your logbook to reflect the activities encountered in your training. Your logbook must be duly endorsed by an authorized signatory at the end of each semester. You will be continuously assessed by your supervisors, in consultation with head of department. An assessment will be submitted within \(\) weeks of completion of each semester.

\(\) - Miscellaneous Information:

Injury and/or Blood or Body Fluid Exposure:

- During regular working hours, you should immediately report an exposure incident to infection control unit. If exposure occurs after regular working hours or during a weekend or holiday; please report to the Emergency Department.

*Please also be sure to inform the supervisors of an exposure incident and/or injury.*

\(\) - Action Completion Of Clinical Training

Once all training sessions are completed the log book should be signed by the senior supervisor and the head of the department and then should be submitted to post graduate Secretariat.

\(\) - Reference

The Training Guide is available at the post graduate Secretariat and could be downloaded from the following website is

---------------------------------------------------------------

VI – Your log book
1- Introduction

The aim of this book is to give you a guide to the expectations for each item. It will be a guide for both you and your teachers to what you should be seeing and doing.

It will give you a list of the important topics that you should think about and should be covered in:

1. Clinical or practical sessions or Tutorials
2. Or
3. Self-directed learning (SDL)

For each item there is also a list of

1. Clinical conditions or Practical sessions to be seen or attended (According to each degree)
2. Practical procedures to be seen and done

Remember

This document is only a guide. It is not an exhaustive list. It is not just a checklist to score points. It is a guide to encourage you to read and learn more. This book is for your benefit. It will form a record of your clinical training and experience.

4 - Supervisors

Make a list of Supervisors or the delegated personals for signature

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Tables for Training Records

Candidates are required to fulfill 75% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = 75%. You are free to attend more and record your extra attendance.

Weekly Department Plan
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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</thead>
<tbody>
<tr>
<td>8:00 am</td>
<td>Staff Meeting</td>
</tr>
<tr>
<td>11:00 am – 1:00 pm</td>
<td>Unit 4 and 6 weekly Scientific Meeting</td>
</tr>
</tbody>
</table>

N.B.
- The Outpatient Clinic opens from \(9:00\) am to \(12:00\) pm from Saturday till Thursday.
- The activity in operative block starts at \(9:00\) am and ends with the end of the operative list. No major surgery starts after \(1:00\) pm.

**Tuesday Conference:**
Includes clinical case presentation, lectures & articles presentation (Journal club), morbidity and mortality cases

Practical skills (Agreement Scale)

**Requirements**
Candidates are required to fulfill \(75\%\) of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = \(75\%\). You are free to attend more and record your extra attendance.

**VI – Your log book**

**1 - Introduction**
The aim of this book is to give you a guide to the expectations for each item. It will be a guide for both you and your teachers to what you should be seeing and doing.

It will give you a list of the important topics that you should think about and should
be covered in:
4. Clinical or practical sessions or Tutorials
5. Or
6. Self-directed learning (SDL)

For each item there is also a list of
3. Clinical conditions or Practical sessions to be seen or attended (According to each degree)
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٧ - Supervisors

Make a list of Supervisors or the delegated personal for signature

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٨ – Tables for Training Records

Candidates are required to fulfill ٧٥% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = ٧٥٪. You are free to attend more and record your extra attendance.

Weekly Department Plan

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<td>Unit 6 weekly Scientific Meeting</td>
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**Tuesday Conference:**
Includes clinical case presentation, lectures & articles presentation (Journal club), morbidity and mortality cases

Practical skills (Agreement Scale)

**Requirements**
Candidates are required to fulfill 75% of the listed activities in order to be eligible for the exam entry. The minimum number required for each activity = 75%. You are free to attend more and record your extra attendance.

**Procedure:** Vaginal Delivery

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Procedure: Major Abdominal Surgery  
### Procedure: Repeat Cesarean Section

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**Procedure:** Operative Delivery  **Minimal Requirement:**  

ABD: Assisted Breech Delivery – VAC: Vacuum Extraction - F: Low/outlet Forceps

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**Procedure:** Laparoscopic Surgery  **Minimal Requirement:**  

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**Procedure: Hysteroscopic Procedures**

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**Procedure: Colposcopic Procedures**

**Minimal Requirement:** ✔
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### Procedure: Pap Smear

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### Procedure: Ultrasound Scan

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**Procedure: Gynecologic Oncology Rotation**

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### Procedure: Attending Family Planning Clinic

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**Minimal Requirement:** 9 sessions + Insertion of 9 IUDs

* - Log book preview
The candidate logbook will be reviewed and patients seen/ skills performed summarized by diagnosis groups during the semester evaluation and at the end of the course in the table below. The results of this review will be totaled in the summary chart below.

<table>
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<tr>
<th>Semester Activity (Minimum number required)</th>
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<td>Attending Family Planning Clinic (10 sessions + Insertion of 10 IUDs)</td>
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VII - Head Of Department Approval For The Exam Entry
VIII – Evaluation Forms

To be completed at -------------------------------------

Candidate
Supervisor
Location

Aim of training
__________________________________________________________________
__________________________________________________________________
__________________________________________________________________

Agreed educational objectives and timescale in which objectives should be achieved.
__________________________________________________________________
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Comments by Candidate
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Comments by Supervisor
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Date of next meeting
Signed by candidate
Signed by Supervisor
Date
VIII – Evaluation Forms

To be completed at -------------------------------------

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Date of next meeting
Signed by candidate
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VIII – Evaluation Forms

To be completed at ____________________________

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Supervisor
Location

Aim of training

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Comments by Candidate

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Comments by Supervisor

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Date of next meeting
Signed by candidate
Signed by Supervisor
Date
Degree Program Evaluation Form by The Candidate
To be completed at the end of your degree.

Please consider each pair of statements and decide which most clearly reflects your view and **tick one box or answer the question.**

I. Individual Information
1. Are you a graduate of ASU?
   - yes  - no  - to some degree

2. Year and semester when studies began:

II. General Questions
1. What are the advantages/disadvantages of the general study environment at the University ASU?

2. What were your expectations when you applied to the degree?

3. Do you feel that the degree program prepares you well for your future studies or employment according to the demands and expectations of those institutions?
   - yes  - no  - to some degree

4. Has the time limit of the program (two or three academic years) caused you any difficulties or inconveniences?
   - yes  - no  - to some degree

III. Structure of Degree Program
1. Did you receive enough guidance in planning your study schedule in the beginning of the program?
   - yes  - no  - to some degree

2. What were the main difficulties in the planning of your study schedule?

3. What is your general opinion on the structure of the degree program?
2. In your opinion, does the degree program offer a good balance of lectures, seminars, conferences, and book exams?

☐ yes ☐ no ☐ to some degree

a) General Studies

i) Do you feel that you have received enough guidance on academic writing?

☐ yes ☐ no ☐ to some degree

ii) Do you feel that you have acquired sufficient knowledge on research skills (e.g. quantitative and qualitative research methods)?

☐ yes ☐ no ☐ to some degree

b) Courses

i) Have you had some special difficulties in completing some of the courses? Please specify.

ii) Has there been a sufficient variety of courses offered for your optional studies?

☐ yes ☐ no ☐ to some degree

iii) Have you received enough guidance for the preparation of your thesis?

☐ yes ☐ no ☐ to some degree

IV. Concluding Points

1. Did the degree program meet your expectations?

☐ yes ☐ no ☐ to some degree

2. What aspects of the degree program do you particularly like?

3. What aspects of the degree program do you particularly dislike?

4. What are your suggestions on how to improve the program?

Thank you!