



إعتماد توصيف مقررات برنامج الدبلوم فى التوليد وأمراض النساء

نقر نحن الموقعون على هذا أدناه أن توصيف وثيقة البرنامج التعليمى لدرجة الدبلوم فى التوليد

وأمراض النساء والمقررات الدراسية المكونة له قد تم وضعها بمعرفة الأقسام

| م | اسم المقرر | اسم منسق المقرر | التوقيع | اسم رئيس القسم | التوقيع |
|----|--------------------------|------------------------------|-------------------------|---------------------------|------------------------|
| ١. | الفسولوجيا | د./ نوال بدوي على | نواز بدوي | د./ جلال محمد عبد القادر | جلال |
| ٢. | الباثولوجيا | د./ فاطمة الزهراء صلاح الدين | فاطمه الزهراء | د./ ايمان محمد صلاح الدين | |
| ٣. | الصحة العامة | د./ أحمد فتحي حامد | أحمد فتحي | د./ ايمان عبد الباسط محمد | |
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| ٦. | طب الأطفال | د./ اسماعيل عبد العليم حسان | اسماعيل عبد العليم حسان | د./ محمد عبد العال محمد | |
| ٧. | اساسيات الجراحة العامة | د./ نبيل يوسف صلاح الدين | نبيل يوسف صلاح الدين | د./ علاء الدين حسن محمد | |
| ٨. | الاحصاء الطبى | د./ أحمد فتحي حامد | أحمد فتحي | د./ ايمان عبد الباسط محمد | ايمان عبد الباسط محمد |
| ٩. | التوليد وأمراض النساء | د./ صلاح محمد رشيد | د/ صلاح محمد رشيد | د./ صلاح على اسماعيل | صلاح على اسماعيل |

عميد الكلية

وكيل الكلية للدراسات العليا



Peer Revision

| Reviewers | University | Date of Revision |
|-------------------------|------------|------------------|
| - Prof. Dawlat Salem | Cairo | 10/12/2011 |
| - Prof. Ahmad K. Mansur | Mansura | 28/11/2011 |

PROGRAM SPECIFICATION of Diploma degree in Obstetrics & Gynecology

Sohag University

Faculty(s) of Medicine

Program Specification

A- Basic Information

1. Program Title: **Diploma degree in Obstetrics & Gynecology**
2. Programme Type: Single
3. Faculty: Faculty of Medicine
4. Department (s): Obstetrics & Gynecology
5. Assistant coordinator: assistant lect. Ahmed Hussein.
6. Coordinator: Dr. Salah M. Rasheed.
7. External Evaluator(s): Prof. Dr. Ezzat Hamed.
8. Last date of program specifications approval: y council No. "250", decree No. "1378" dated 28/12/2013.

B- Professional Information

1. Program Aims:

The aim of this program is to provide the postgraduate with the medical/ knowledge and skills essential for safe practice of specialty and necessary to gain further training and practice in the field of Obstetrics & Gynecology.

Through providing:

1. Scientific knowledge essential for practice of Obstetrics & Gynecology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making and operative skills.
3. Ethical principles related to the practice in this highly sensitive specialty.
4. Active participation in community needs assessment and problems solving.
5. Maintenance of learning abilities necessary for continuous medical education.

2. Attributes of the post graduate:

1. Application of the specific knowledge gained during practice of Obstetrics and Gynecology.
2. Identification of professional problems in this specialty and suggest solutions for them.
3. Mastering professional skills and usage of suitable technologies in practice of Obstetrics and Gynecology.
4. Ability to efficiently communicate and lead team works throughout organized professional work.

5. Decision making at the lights of the available information.
6. Perfect utilization of available resources.
7. Awareness of his role in community development and maintain good environment.
8. Reflects the commitment to act with integrity, credibility and professional norms and accountability.
9. Recognize the need to develop himself and to engage in continuous learning.

3. Program Intended Learning Outcomes (ILOs)

a) Knowledge and Understanding:

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- a1. Mention the normal structure and function of the female human reproductive system on the macro levels.
- a2. Mention the normal growth and development of the female human reproductive system.
- a3. List the abnormal structure, function, growth and development of female human reproductive system
- a4. Mention the physiology of the female human reproductive system & conception.
- a5. Mention the basic surgical principals.
- a6. Mention the basic medical disease related to pregnancy.
- a7. Mention natural history of gynecologic diseases and obstetric problems.
- a8. Mention the causation of gynecologic diseases and obstetric problems and their pathogenesis.
- a9. Enumerate Methods of promoting maternal and fetal health and preventing their illness.
- a10. List the clinical picture and differential diagnosis of gynecologic, and obstetric illnesses.
- a11. Enumerate common diagnostic and laboratory techniques necessary to establish diagnosis of gynecologic, and obstetric illnesses.
- a12. Describe the various therapeutic methods/alternatives used for gynecologic, and obstetric diseases.
- a13. Describe the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different family planning methods.
- a14. List the principles and fundamentals of ethics and legal aspects of professional practice in the field of Obstetrics & Gynecology.
- a15. Enumerate the principles and fundamentals of quality of professional practice in the field of Obstetrics & Gynecology.
- a16. List the effect of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual Skills

By the end of the study of diploma program in Obstetrics & Gynecology, the graduates should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology and rank them according to their priorities.
- b2. Solve problems in the area of Obstetrics & Gynecology.
- b3. Analyze researches and issues related to Obstetrics & Gynecology.

b4. Assess risk in professional practices in the field of Obstetrics & Gynecology.

b5. Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

c1. Apply professional skills in the area of Obstetrics & Gynecology.

c2. Write medical reports.

c3. Use appropriate technology existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study of diploma program in Obstetrics & Gynecology, the graduates should be able to:

d1. Perform the different types of effective communication.

d2. Use information technology to serve the development of professional practice.

d3. Assess himself and identify personal learning needs.

d4. Use different sources to obtain information and knowledge.

d5. Work in a team and manage time.

d6. Lead the team in familiar professional contexts.

d7. Learn himself continuously

4. Academic Standards

Sohag Faculty of medicine adopted the general national academic Reference Standards (NARS) provided by the national authorities for quality assurance and accreditation of education (naqaa) for postgraduate programs. This was approved by the faculty council decree NO. 6854, in its session NO. 177 Dated: 18/5/2009. Based on these NARS; Academic Reference Standards (ARS) were suggested for this program. This ARS were revised by external evaluator and approved by the Faculty council No. 7528 in its session NO. 191 Dated:15/3/2010. The adoption of NARS and the suggested ARS were approved by University council degree No 587, in its session No.60. dated 26-12-2011.

5. Curriculum Structure and Contents

5.a- Program duration 3 semesters (1.5 years)

5b- Program structure

b.i- No. of hours per week:

| Subject | hours / week | | |
|------------------------------------|--------------|------------------------|----------|
| | Lectures | Practical/ surgical | Clinical |
| First Part: | | | |
| • Anatomy | 1 | 1 | - |
| • Physiology | 1 | - | - |
| • Pathology | 1 | 1 | - |
| • Internal medicine module | 1 | - | 1 |
| • Neonatology module | 1 | - | - |
| • General surgery | 1 | 0.5 | 0.5 |
| • Community Medicine module | 1 | - | - |
| • Microbiology & Immunology module | 1 | 1 | - |

| | | | |
|------------------------------------------------|-----|---|---|
| • Biostatistics | 1 | 1 | - |
| Second Part: | | | |
| • Gynecology module | 4 | 2 | 2 |
| • Obstetrics module | 4 | 2 | 2 |
| • Family planning & reproductive health module | 1.5 | - | 1 |

| code | Item | No | % | |
|--------|-----------------------------------------------------------|------------|------|-----|
| b.i | Total credit hours | Compulsory | 43 | 100 |
| | | Elective | 0 | 0 |
| | | Optional | 0 | 0 |
| b.iii | credit hours of basic sciences courses | 7 | 12.3 | |
| b.iv | credit hours of courses of social sciences and humanities | 0 | 0 | |
| b.v | credit hours of specialized courses: | 28 | 65.1 | |
| b.vi | credit hours of other course | 8 | 18.6 | |
| b.viii | Program Levels (in credit-hours system): | | | |
| | Level 1: 1 st part | 15 | 34.9 | |
| | Level 2: 2 nd Part | 28 | 65.1 | |

6. Program Courses : 7 courses are compulsory.

6.1- Level of Program.

First part Semester 1

a. Compulsory

| Course Title | Total No. of Credit hours | No. of hours /week | | Program ILOs Covered (By No.) |
|----------------------------------|---------------------------|--------------------|------|-------------------------------|
| | | Lect. | Lab. | |
| Anatomy & Embryology | 2 | 1 | 1 | a1, a2, a3, b1, c1, d2, d3 |
| Physiology | 1 | 1 | -- | a4, b1, c3, d4, d6 |
| Pathology | 2 | 1 | 1 | a7, b5, c3, d4, d7 |
| Internal medicine module | 2 | 1 | 1 | a6, a9, b5, c2, d4, d7 |
| Neonatology module | 1 | 1 | -- | a9, b2, c1, d4, d7 |
| General Surgery | 2 | 1 | 1 | a5, b1, c1, d4, d5 |
| Community Medicine | 1 | 1 | -- | a9, a15, a16, b3, c1, d2, d3 |
| Microbiology & Immunology module | 2 | 1 | 1 | a8, a11, b2, c3, d2, d7 |
| Bio Statistics | 2 | 1 | 1 | a15, a16, b3, c1, d3 |

Second part Semester 2,3.

a. Compulsory

| Course Title | Total No. of Credit hours | No. of hours /week | | Program ILOs Covered (By No.) |
|------------------------|---------------------------|--------------------|------|----------------------------------------------------------------------------------------|
| | | Lect. | Lab. | |
| Obstetrics module | 12 | 4 | 4 | a8, a9, a10, a11, a12, a14, b1, b2, b3, b4, b5, c1, c2, c3, d1, d2, d3, d4, d5, d6, d7 |
| Gynecology module | 12 | 4 | 4 | a8, a10, a11, a12, a14, b1, b2, b3, b4, b5, c1, c2, c3, d1, d2, d3, d4, d5, d6, d7 |
| Family planning module | 4 | 1.5 | 1 | a13, b1, b2, b3, c1, c3, d1, d2, d3, d4, d5, d6, d7 |

7. Program Admission Requirements

I- General Requirements.

- Candidate should have either:
1-MBBch degree from any Egyptian Faculty of Medicine or
2- Equivalent Degree from Medical Schools abroad approved by the ministry of high Education.
- Candidate should pass the house office training year.
- Follow postgraduate Regulatory rules of Sohag Faculty of Medicine.

8. Regulations for Progression and Program Completion

Duration of program is 3 semesters (1.5 years), starting from registration till 2nd part exam; divided to:

First Part: (≥6 months=1 semester):

1. Program-related basic & clinical sciences.
2. At least six months after registration should pass before the student can ask for examination in the 1st part.
3. Two sets of exams: 1st in April — 2nd in October.
4. For the student to pass the first part exam, a score of at least 60% in each curriculum is needed (with at least 40% of the written exam).
5. Those who fail in one curriculum need to re-exam it only.

Second Part: (≥12 months=2 semester):

1. Program related specialized science of Obstetrics, Gynecology and Family planning courses.
2. After passing at least:
 - a. 12 months training in the department of Obstetrics, Gynecology.
3. The students should pass the 1st part before asking for examination in the 2nd part.
 - For the student to pass the second part exam, a score of at least 60% in each curriculum is needed (with at least 60% of the written exam and 50% of the oral & clinical exam) the credit hours of the logbook are calculated as following:
 - Each Cr. Hr.= 60 working Hrs.
 - 8Logbook= 8 Cr. Hr. X 60 working Hrs = 480 Working Hrs.
 - Collection of working Hrs. is as following:

9. Methods of student assessments:

| Method of assessment | The assessed ILOs |
|-----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| 1-Research assignment | - General transferable skills, intellectual skills |
| 2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills |
| 3-OSCE | -Practical skills, intellectual skills, general transferable skills |
| 4-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |

Assessment schedule:

Part I:

- Anatomy: Written Exam (3 hours) + structured oral Exam.
- physiology: Written Exam (3 hours) + structured oral Exam.
- Pathology: Written Exam (3 hours) + structured oral Exam.
- Community Medicine and Microbiology & Immunology: Written Exam (3 hours) + structured oral Exam.
- Internal Medicine and Neonatology: Written Exam (3 hours) + OSCE + Structured oral Exam.
- General surgery: Written Exam (3 hours) + OSCE + Structured oral Exam.

Part II:

- **Obstetrics,**
written Exam (3 hours) + OSCE + Structured oral Exam.
- **Gynecology**
written Exam (3 hours) OSCE + Structured oral Exam.
- **Family planning:**
written Exam (2 hours) + Structured oral Exam.
- + **one written exam containing commentary (1.5 hours) .**

10. Evaluation of Program Intended Learning Outcomes

| Evaluator | Tool | Sample |
|------------------------------------------------|---------------|--------|
| 1- Senior students | Questionnaire | 1 |
| 2- Alumni | Questionnaire | 8 |
| 3- Stakeholders (Employers) | Questionnaire | 25 |
| 4-External Evaluator(s) (External Examiner(s)) | Report | 1 |
| 5- Other | | |

Course Specification of Human Anatomy & Embryology in Diploma degree in Obstetrics & Gynecology.

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Human Anatomy & Embryology.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of Human Anatomy & Embryology in Diploma degree in Obstetrics & Gynecology.

Code: ANA 0520-100

| Lectures | Practical/Surgical | Total hour | Credit hours |
|----------|--------------------|------------|--------------|
| 15 | 30 | 45 | 2 |

B. Professional Information

1. Overall Aims of Course

By the end of the course the student should be able to have the professional knowledge about the anatomy and embryology of the female genital system

2. Intended Learning Outcomes of Course (ILOs):

a) Knowledge and Understanding:

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- a1. Mention the normal structure and function of the human reproductive system and female pelvis on the macro levels.
- a2. Mention early embryo development & normal growth and development of the human reproductive and urinary systems.
- a3. List the recent advances in the abnormal structure, function, growth and development of female human reproductive systems.

b) Intellectual Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology in Anatomical basis.

c) Professional and Practical Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Apply professional skills in the area of Obstetrics & Gynecology in anatomical basis.

d) General and Transferable Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- d1. Use information technology to serve the development of professional practice
- d2. Assess himself and identify personal learning needs.

3. Contents

| Topic | No. of hours | Lecture | Practical |
|-----------------------------------------------|--------------|---------|-----------|
| Introduction | 6 | 2 | 4 |
| Anatomy and embryology of the pelvis | 6 | 2 | 4 |
| Anatomy of the perineum | 6 | 2 | 4 |
| Anatomy and embryology of the uterus | 6 | 2 | 4 |
| Anatomy and embryology of the ovary and tubes | 6 | 2 | 4 |
| Blood and nerve supply of the pelvis | 6 | 2 | 4 |
| Revision | 9 | 3 | 6 |
| Total | 45 | 15 | 30 |
| Credit | 2 | 1 | 1 |

4. Teaching and Learning Methods

4.1- Lectures.

4.2- Assignments for the students to empower and assess the general and transferable skills

5. Student Assessment Methods

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |

Assessment Methods

- 1. Assessment 1: written examination Week 24
- 2. Assessment 2: Structured Oral Exam Week 24
- 3. Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

| | |
|--------------------------------|------|
| Final-term written examination | 50 % |
| Structured Oral Exam | 50 % |
| Total | 100% |

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Essential Books (Text Books)

Gray's Anatomy for student, 2nd edition, 2000

6.2- Recommended Books

A colored Atlas of Human anatomy and Embryology, 2004.

6.3- Periodicals, Web Sites, ... etc

American J. of Anatomy

Cochrane Library, Medline & Popline

7. Facilities Required for teaching and learning.

- a. Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
- b. Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.
- c. Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr . Salwa M. Ewaas.

Head of Department: Dr. Mohamed A. Eldsoky.

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Medical Physiology in Diploma degree in Obstetrics & Gynecology.

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Medical Physiology.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of Medical Physiology in Diploma degree in Obstetrics & Gynecology.

Code: PHY 0520-100

Total Hours:

| Lectures | Practical/Surgical | Total hour | Credit hours |
|----------|--------------------|------------|--------------|
| 15 | -- | 15 | 1 |

B. Professional Information

1. Program aims

Aims of the course: To prepare an Obstetrics & Gynecology. physician oriented with the physiology of endocrines & reproduction. In addition, graduates should have enough knowledge about the physiological changes during pregnancy, labor & puerperium. They should have adequate information about the changes that occur in shocked patients & as a result of hemorrhage The graduates should develop an attitude that appreciates the value of the physiological changes in the body of female patients in both health & disease and its implication in the field of OB. & GYN.

2. Intended learning outcomes (ILOs)

a) **Knowledge and understanding**

By the end of this course, students should have adequate knowledge about:

- a1. Mention the physiology of reproduction & endocrines..
- a2. Mention Physiology of important phenomena in the body that is correlated with obstetric & gynecologic practice as coagulation, pain, control of the arterial blood pressure & changes with hemorrhage and shock.

b) **Intellectual Skills**

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology in physiological basis.

c) Professional and Practical Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Use appropriate technology.

d) General and Transferable Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- d1. Use different sources to obtain information and knowledge.
d2. Learn himself continuously

3. Contents

| Topic | No. of hours | Lecture | Tutorial/ Practical |
|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|---------------------|
| I-ENDOCRINES & REPRODUCTION | 3 | 3 | |
| II-AUTONOMIC NERVOUS SYSTEM | 1 | 1 | |
| III-BLOOD: 1. Blood coagulation 2. Regulation of the blood volume | 1 0.5 | 1 0.5 | |
| IV-CIRCULATION: 1. Vaso-sensory areas 2. Arterial blood pressure 3. Heart rate 4. Cardiac output 5. Hemorrhage 6. Shock | 1 1 1 1 1 1 | 1 1 1 1 1 1 | |
| V-RESPIRATION: 1. Fetal & placental respiration Oxygen dissociation curve in mother & fetus 2. Hypoxia 3. Cyanosis | 0.5 0.5 1 0.5 | 0.5 0.5 1 0.5 | |
| VI-CNS | 1 | 1 | |
| Total | 15 | 15 | |
| Credit | 1 | 1 | |

4. Teaching and Learning Methods

Lectures.

5. Student Assessment Methods

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |

Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

| | |
|--------------------------------|------|
| Final-term written examination | 50 % |
| Structured Oral Exam | 50 % |
| Total | 100% |

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Essential Books (Text Books)

Essentials of Medical Physiology. Author: Sembulingam K, Sembulingam Prema, 2010

6.2- Recommended Books

John E. Hall, PhD - *Guyton and Hall Textbook of Medical Physiology, 12th edition 2008*.

6.3- Periodicals, Web Sites, ... etc

American Journal of Physiology

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr. Hoda Moustafa

Head of Department: Prof. Ahmed Mostafa

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Pathology in Diploma degree in Obstetrics & Gynecology.

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Pathology.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of Pathology in Diploma degree in Obstetrics & Gynecology.

Code: PAT 0520-100

Total hours

| Lectures | Practical/Surgical | Total hour | Credit hours |
|----------|--------------------|------------|--------------|
| 15 | 30 | 45 | 2 |

B. Professional Information

1. Overall Aims of Course

By the end of the course the post graduate students should be able to have the professional knowledge of the pathology of medical and neoplastic diseases related to obstetric & gynecological practice.

2. Intended Learning Outcomes of Course (ILOs):

According to the intended goals of the faculty

a) Knowledge and Understanding:

By the end of the course the student should be able to:

- a1. Mention the natural history of gynecologic diseases and obstetric problems.
- a2. Develop basis of general pathology.
- a3. Become familiar with etiology, pathogenesis and pathologic manifestation of diseases related to the female genital system.
- a4. Be able to correlate gross and histopathology with the clinical basis of diseases related to the female genital system.
- a5. Have sufficient information about the fate, complications and prognosis of different diseases related to the female genital system.
- a6. provide core knowledge of processes affecting organ system, with an emphasis on understanding mechanisms of disease related to the female genital system.

b) Intellectual Skills:

By the end of the course the student should have the ability to:
b1. Make professional decisions in the light of the available data.

c) Professional and Practical Skills:

By the end of the course the student should have the ability to:
c1. evaluate pathological reports.

d) General and Transferable Skills:

By the end of the course the student should have the ability to:
d1. Use different sources to obtain information and knowledge.
d2. Learn himself continuously

3. Course contents:

| Topic | Total | Lectures | Practical |
|-------------------------------------------------------------------------|-------|----------|-----------|
| 1- General Pathology: | | | |
| 1.1. Inflammation & repair. | 3 | 1 | 2 |
| 1.2. Cell response to injury and aging. | 3 | 1 | 2 |
| 1.3. Cellular growth disorders. | 3 | 1 | 2 |
| 1.4. General pathology of tumors. | 3 | 1 | 2 |
| 1.5. Diagnostic cytology. | 3 | 1 | 2 |
| 2- Female Genital system: | | | |
| 2.1. Vaginitis, cervicitis, salpingitis, endometritis, puerperal sepsis | 3 | 1 | 2 |
| 2.2. Functional & hormonal disorders of FGS. | 5 | 1 | 2 |
| 2.3. Endometrial dating & hyperplasia. | 5 | 1 | 2 |
| 2.4. Endometriosis & adenomyosis. | 5 | 1 | 2 |
| 2.5. Abnormal uterine bleeding. | 4 | 1 | 2 |
| 2.6. Tumors of the vulva & vagina. | 4 | 1 | 2 |
| 2.7. Tumors of the cervix & uterine body. | 5 | 1 | 2 |
| 2.8. Tumors of the ovary. | 5 | 1 | 2 |
| 2.9. Complications of pregnancy (ectopic pregnancy & molar pregnancy). | 5 | 1 | 2 |
| 2.10. Tumors of the placenta. | 4 | 1 | 2 |
| Total | 45 | 15 | 30 |
| Credit | 2 | 1 | 1 |

4. Teaching and Learning Methods

4.1. Lectures.

4.2. Gross and histopathology (Jars & slides).

5. Student Assessment Methods

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |

Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

| | |
|--------------------------------|------|
| Final-term written examination | 50 % |
| Structured Oral Exam | 50 % |
| Total | 100% |

Formative only assessments: attendance and absenteeism

6. List of References

6.1- Essential Books (Text Books):

Robbins Basic Pathology, 9th edition By Vinay Kumar , 2012

6.2- Recommended Books:

Muir's Textbook of Pathology, Fourteenth Edition (Hodder Arnold Publication)

[David Levison, Robin Reid, Alistair D Burt, David J. Harrison, Stewart Fleming] 2011

6.3- Periodicals,

American journal of pathology

Web Sites: <http://www.ncbi.nlm.nih.gov/pubmed/>

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Course Coordinator : Dr. Fatma El Zahraa Salah Eldeen

Head of Department: Dr. Eman Mohammed Salah Eldeen

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Community Medicine and public Health and Medical Microbiology and Immunology in Diploma degree in Obstetrics & Gynecology

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Community Medicine and public Health -
Medical Microbiology and Immunology
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378"
dated 28/12/2013

A. Basic Information

Title: Course Specification of Community Medicine and public Health in Diploma degree in Obstetrics & Gynecology.

Code: COM+MIC 0520-100

Total hours

| Module | Lectures | Practical/Surgical | Total hour | Credit hours |
|----------------------------------------------------|-----------|--------------------|------------|--------------|
| Community medicine and public Health Module | 15 | ---- | 15 | 1 |
| Medical Microbiology and Immunology Module | 15 | 30 | 45 | 2 |

B. Professional Information

1. Overall Aims of the Course

Community medicine Module:

1. To prepare a community-oriented Obstetrics & Gynecology physician capable of anticipating and responding to feminine health needs within guidelines of the MOHP and according to the policies, regulations, and guidelines of the MOHP.
2. To develop a post-graduate who will apply the knowledge and skills learned, and is able to take leadership in motivating the community served as regard the preventive aspects concerning Maternal and Perinatal Health care.
3. To influence the post-graduate to adopt a healthy lifestyle and sound behaviors to become role models for the female individuals, their families, and the communities they will serve in the future.

Microbiology Module

By the end of the course the postgraduate student should be efficiently able to

have advanced knowledge of the microorganisms affecting human beings all over the world and particularly in Egypt , and learn to use the knowledge gained from applied microbiology to better understand the pathology, clinical symptoms, complications and the laboratory tests needed for diagnosis of each disease, in particular how to use microbiological testing in determining antibiotic prescription. The student is also expected to acquire advanced knowledge about the structure and function of the immune system and the role of the immune system in health and disease.

2. Intended Learning Outcomes of Course (ILOs)

Community medicine Module

a) Knowledge and understanding:

By the end of the course, the OBS / GYN post-graduate is expected to be able to:

- a1. Enumerate Methods of promoting maternal and fetal health and preventing their illness.
- a2. Enumerate the principles and fundamentals of quality of professional practice in the field of Obstetrics & Gynecology
- a3. Mention the effect of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual Skills

By the end of the course, the student is expected to be able to:

- b.1 Analyze researches and issues related to Obstetrics & Gynecology.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

- c.1 Apply professional skills.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

- d.1 Use information technology to serve the development of professional practice
- d.2 Assess himself and identify personal learning needs.

Microbiology Module

a) Knowledge and Understanding:

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- a1. Mention microbiological & immunological basis of gynecologic diseases and obstetric problems and their pathogenesis.
- a2. Enumerate common microbiological and laboratory techniques necessary to establish diagnosis of gynecologic, and obstetric illnesses.

b) Intellectual Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b.1 Solve problems in the area of Obstetrics & Gynecology.

c) Professional and Practical Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Assess methods and tools existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- d.1 Use information technology to serve the development of professional practice
- d.2 Learn himself continuously

3. Contents

Community medicine Module

| Topic | No. of hours | Lecture | Practical |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------|-----------|
| Epidemiology of selected communicable diseases: STDs | 1 | 1 | |
| Epidemiology and risk factors of non-communicable diseases with pregnancy: Ischemic heart diseases Diabetes Mellitus Cancer | 1 | 1 | |
| Maternity care Maternal mortality Risk approach | 3.5 | 3.5 | |
| Methodology & statistics Terminology and rationale Data collection Types of Data Tabulation of data Graphical presentation of data Measures of central tendency Measures of dispersion Normal distribution curves International classification of diseases International death certificate Study design: Cross sectional study and the prevalence rate Cohort study, incidence rate, relative & attributable risk Case-control study, Odd's ratio Sampling Investigation of an epidemic, the attack rates | 2 | 2 | |
| Total | 15 | 15 | |
| Credit | 1 | 1 | |

Microbiology Module:

| Topic | No. of hours | Lecture | Tutorial/ Practical |
|-------|--------------|---------|------------------------|
|-------|--------------|---------|------------------------|

| | | | |
|--------------------------------------------------------------------------------------------|---|---|---|
| <u>General Bacteriology</u> Bacterial anatomy, Genetics & Physiology | 1 | 1 | |
| Recombinant DNA technology | 1 | 1 | |
| Antibiotics | 1 | 1 | |
| Sterilization & Disinfection | 1 | 1 | |
| <u>Systematic Bacteriology</u> Gram +ve cocci, Gram –ve cocci | 1 | 1 | |
| Gram +ve bacilli, Gram –ve bacilli | 1 | 1 | |
| <u>General virology</u> | 1 | 1 | |
| <u>Systematic Virology</u> RNA viruses, DNA viruses | 1 | 1 | |
| <u>Mycology</u> Fungal classifications, Opportunistic mycosis & Antifungal drugs | 1 | 1 | |
| <u>Immunology</u> Congenital & Acquired Immunity | 1 | 1 | |
| Immunological Cells, Hypersensitivity | 1 | 1 | |
| Transplantation, Tumor Immunology | 1 | 1 | |
| Immunodeficiency | 1 | 1 | |
| <u>Applied Microbiology and Laboratory tests</u> | 1 | 1 | |
| Nosocomiology | 1 | 1 | |
| Bacterial Cultures | 2 | | 2 |
| Bacterial Isolation & Identification | 1 | | 1 |
| Diagnostic Molecular Biology Methods | 1 | | 1 |
| Antibiotic Sensitivity Tests | 2 | | 2 |
| Immunology(Antigen Antibody Reactions) 1 | 2 | | 2 |
| Immunology(Antigen Antibody Reactions) 2 | 2 | | 2 |
| Staphylococci | 2 | | 2 |
| Streptococci & Pneumococci | 2 | | 2 |
| Neisseria | 2 | | 2 |

| | | | |
|-------------------------|----|----|----|
| Corynebacterium | 2 | | 2 |
| Mycobacterium | 2 | | 2 |
| Enterobacteria | 2 | | 2 |
| Pseudomonas & Yersinia | 1 | | 1 |
| Bacillus | 1 | | 1 |
| Clostridium | 2 | | 2 |
| Vibrios & Brucella | 2 | | 2 |
| Spirochaetes & Mycology | 2 | | 2 |
| Total | 45 | 15 | 30 |
| Credit | 2 | 1 | 1 |

4. 4-Teaching and Learning Methods

4.1- Lectures.

4.2- Practical sessions.

4.3- Computer search assignments

5. 5-Student Assessment Methods

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |
| 5.4 Computer search assignment | -General transferable skills, intellectual skills |

Assessment Schedule

Assessment 1.....Final written exam.....week: 24

Assessment 2.....Final Structured Oral Examweek: 24

Assessment 3.....Attendance and absenteeism throughout the course

Assessment 4Computer search assignment performance throughout the course

Weighting of Assessments

| | |
|---------------------------|-------|
| Final written examination | 50% |
| Structured Oral Exam | 50% |
| Total | 100 % |

Any formative only assessments Attendance and absenteeism throughout the course

Computer search assignment performance throughout the course

6. List of References

Community Medicine and public Health Module

6.1- Course Notes

Lecture notes prepared by staff members in the department.

6.2- Essential Books (Text Books)

1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.3- Recommended Books

1- Dimensions of Community Health, Boston Burr Ridge Dubuque.

2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.

3- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.

6.4- Periodicals, Web Sites, ... etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

Microbiology Module

6.1- Essential Books (Text Books)

Jawetz, Melnick & Adelberg's Medical Microbiology. 24th Edition.

Reviewed by Muhannad F Al-Kobaisi, 2007.

6.2- Recommended Books

Topley and Wilson's Microbiology and Microbial Infections, 8 Volume Set, 10th Edition. W. W. C. Topley. ISBN: 978-0-470-68638-6. 3500, 2006.

6.3- Periodicals, Web Sites, etc

<http://mic.sgmjournals.org/>

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Course Coordinator:

Community Medicine and public Health Module :Dr/Ahmed Fathy

Medical Microbiology and Immunology Module: Dr . Mamdooh M. Essmat

Head of Department:

**Community Medicine and public Health Module: Prof/Eman Abd El-Baset
Mohammed**

Medical Microbiology and Immunology Module: Dr . Abeer M. Shenief

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Internal medicine & Neonatology in Diploma degree in Obstetrics & Gynecology.

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Internal medicine & Pediatrics.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of internal medicine & Pediatrics in Diploma degree in Obstetrics & Gynecology.

Code: INT+PED 0520-100

Total hours

| Module | Lectures | Tutorials/Clinical | Total hour | Credit hours |
|--------------------------|-----------|--------------------|------------|--------------|
| Internal medicine | 15 | 30 | 45 | 2 |
| Neonatology | 15 | -- | 15 | 1 |
| Total | 30 | 30 | 60 | 3 |

B. Professional Information

1. Overall Aims of Course

Internal medicine (module)

By the end of the course of Internal Medicine, the candidate should be able to:

- 1- Deal with common medical conditions on the basis of adequate history taking, physical examination interpretation of relevant supportive investigations and management.
- 2- Deal with acute medical emergencies safely and effectively.
- 3- Identify the indications and logistics of referring patients to higher levels of experience or specialization.
- 4- Perceive and integrate progress in medical technology.

Neonatology (module)

To prepare an Ob. & Gyn. physician oriented with the examination, evaluation & resuscitation of the newborn . In addition, graduates should have enough **knowledge** about congenital neonatal infections, tetanus neonatorum, common minor & major congenital anomalies , neonatal injuries & causes of neonatal jaundice. The graduates should develop an **attitude** that appreciates the value of intensive care unit management of preterm & markedly asphyxiated babies.

2. Intended Learning Outcomes of Course (ILOs)

Internal medicine (module)

- a) **Knowledge and Understanding**
By the end of this course, students should be able to:
 - a1. Mention the basic medical disease related to pregnancy.& their management
 - a2. Enumerate Methods of promoting maternal health and preventing their illness.
- b) **Intellectual Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - b1. Make professional decisions in the light of the available data.
- c) **Professional and Practical Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - c1. Evaluate medical reports.
- d) **General and Transferable Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - d1. Use different sources to obtain information and knowledge.
 - d2. Learn himself continuously

Neonatology (module)

- a) **Knowledge and Understanding:**
By the end of this course, students should be able to:
 - a1. Enumerate Methods of promoting fetal health and preventing their illness.
 - a2. Describe methods of neonatal resuscitation.
 - a3. Understand different neonatological problems & their management
- b) **Intellectual Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - b1. Solve problems in the area of neonatology.
- c) **Professional and Practical Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - c1. Master the basic and modern professional skills in the area of neonatological assesment & rescucitation.
- d) **General and Transferable Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
 - d1. Use different sources to obtain information and knowledge.

3. Contents

Internal medicine (module)

1. Cardiology Teaching

The cardiology curriculum is designed so that at the end of the course the candidate will be able to:

- 1- Know the principles of cardiovascular anatomy and physiology which are relevant to cardiovascular diseases.
- 2- Know the basic patho-physiological and structural alteration that occur in cardiovascular diseases.
- 3- Know the important causes, presenting features (symptoms, signs and alteration in specific investigations) that may occur in each of the following conditions:
 - Heart failure (acute, chronic, systolic, diastolic)
 - Rheumatic fever, rheumatic heart disease including the affection of the pericardium and cardiac valves.
 - Major congenital heart diseases occurring in older children and in adults such as ASD, VSD, PDA, pulmonary stenosis, aortic stenosis, Fallot's tetralogy, triology, coarctation of the aorta and Eisenmeniger's syndrome
 - Major dysrhythmias especially the followings: sinus tachycardia, bradycardia, atrial fibrillation, ventricular tachycardia, and fibrillation .
 - Causes and management of syncope.
 - Causes features and management of infective endocarditis.
 - Coronary artery diseases (pathogenesis, risk factors, clinical features, complications and detail of both prophylactic and curative treatment)
 - The problem of hypertension in Egypt and the importance of all grades of elevated blood pressure also causes and features of essential and secondary hypertension,, also methods of treatment and the problem attending the use of antihypertensive drugs.
 - The interaction between the lung and the heart and causes Clinical presentation and manegment of pulmonary embolism and cor pulmonale)
 - Elements of management of cardiac patients undergoing surgery, pregnancy, labour and treatment of other general diseases.
 - Properties, uses, and side effects of important cardiovascular drugs used in treatment of common diseases.
- 4- Skills: The graduate should be able to:
 - Elicit normal and abnormal cardiovascular signs such as general features, attitude, facies, BP arterial and venous pulse,.....
 - Elicit normal and abnormal physical signs in chest and abdominal examination that may cause or accompany or result from cardiac disease such as hepatomegaly, splenomegaly, ascites,.....
 - Can perform successfully basic life support and cardiac resuscitation (cardiac massage, mouth to mouth breath) either alone or with a team.
 - He should be able to interpret normal and abnormal cardiac shadows in chest Xray.

- He should recognize the normal ECG and diagnose the following abnormalities in ECG:
 - Ventricular hypertrophy (Rt, Lt)
 - Atrial dilatation (Rt, Lt)
 - Bundle branch block (Lt, Rt)
 - Myocardial infarction
 - Major dysrhythmias

Cardiology teaching (Methodology):

A combination of strategies are used to reach the above mentioned objects, this include lectures, clinical and self teaching.

1-Lectures : lectures are given to accompany the clinical and the practical teaching. They are designed to cover the salient features, difficult aspects, recent advances not usually incorporated in students text books and specific personal practices of the following subjects:

A-Lectures)

| Topics | No of lectures |
|-----------------------------------------------------------------------------------|----------------|
| Cardiovascular Symptoms and signs | 0.5 |
| Rheumatic fever | 0.5 |
| Infective endocarditis | 0.5 |
| Valvular diseases | 0.5 |
| <u>Coronary artery diseases</u> -Acute coronary syndromes -Chronic ischemia | 0.5 |
| Systemic Hypertension | 0.5 |
| Adult Congenital Heart Diseases | 0.5 |
| <u>Cardiomyopathy:</u> -dilated cardiomyopathy (Peripartum cardiomyopathy | 0.5 |
| <u>Heart failure</u> | 0.5 |
| Pulmonary embolism | 0.5 |
| total | 5 |

B- Practical teaching (cardiology) (22HRS)

Practical Topics:

1. Cardiovascular history taking
2. Cardiac examination (including pulse BP, and Jugular venous pressure comment)
3. Cardiac valve lesions
4. Rheumatic heart disease
5. Infective endocarditis

6. Heart failure
7. Cardiomyopathy
8. Adult congenital heart diseases
9. Atrial fibrillation
10. Interpretation of certain ECG abnormalities: Acute myocardial infarction, ischemic heart disease, atrial fibrillation, ventricular tachycardia.

3-Self teaching: This include:

- Personal or group ward responsibilities including follow up of inpatients in the department.
- Cardiology outpatient sessions in which the student examine the patients with the assistant lecturer to recognize the presenting

2. Endocrinology teaching

The curriculum consists of an integrated theoretical, clinical and practical training courses.

Terminal objectives are:

1. To know the principles of the physiology of endocrinal system
2. To know the basic pathophysiological and structural alteration changes that occur in common endocrinal diseases.
3. To know important presenting features of endocrinal diseases
4. To be able to elicit skeletal disproportions and to identify body mass index
5. To diagnose various endocrinal emergencies
6. To know the basics of various investigations of endocrinal diseases
7. To interpret endocrinal imagings such as X-ray , CT and MRI of different endocrinal organs.

Endocrinology teaching (Methodology)

A combination of strategies are used to reach the above mentioned objectives. This include:

A-Lectures

| Topics | No of lectures |
|-----------------------------------------------------------------------------------------------------------|----------------|
| Principles of endocrinology | 0.5 |
| Disorders of the anterior pituitary and the hypothalamus | 0.5 |
| Disorders of the neurohypophysis "Diabetes Insipidus" | 0.5 |
| <u>Disorders of the thyroid gland</u> Hypothyroidism Hyperthyroidism | 0.5 |
| <u>Disorders of the adrenal cortex:</u> -Cushing syndrome -Aldosteronism -Adrenogenital syndrome | 0.5 |

| | |
|-----------------------------------------|----------|
| -Clinical uses of corticosteroids | |
| Endocrinology of blood pressure control | 0.5 |
| Diabetes mellitus | 1 |
| total | 4 |

B-Practical teaching in endocrinology) (20HRS)

Practical topics:

- | | |
|---------------------|---------------------------------------------------|
| 6. Myxedema | 1. History taking of various endocrinal disorders |
| 7. Cushing syndrome | 2. Anthropometric measurements, Body mass index |
| 8. Acromegally | 3. Obesity, morbid obesity |
| 9. Pheochromocytoma | 4. Short stature |
| 10. Diabetic commas | 5. Thyrotoxicosis |

3- Hematology Teaching

The curriculum consists of theoretical practical and training courses.

Terminal objectives in teaching hematology are:

1. To know the physiology of blood cells (RBCs, WBCs and platelets. And homeostasis.
2. To know the anatomy of the lymphatic and hematopoietic organs.
3. To know the important causes, presentation and management of various types of anemias.
4. To examine lymph nodes, liver and spleen and to know causes and management of lymphadenopathy, hepatomegaly, and splenomegaly.
5. To know causes, manifestation and management of bleeding and coagulation disorders.
6. To know causes presentation and management of various hematological malignancies (Leukaemias, lymphomas, plasma cell tumours).
7. To interpret lab investigations as blood picture, bone marrow examination, results of lymph node, spleen biopsy, and tests for coagulation disorders.
8. To know recent advances in treatment of various hematological disorders as bone marrow transplantation, immunological treatment,

Hematology teaching (Methodology) :

A combination of strategies are used to reach the above mentioned objectives. This include:

A- lectures

| Topics | No of lectures |
|------------------------------------------------------------------------------------------------------------------|----------------|
| Hematopoiesis | 0.5 |
| Anemias; -Iron deficiency anemia -Megaloplastic anemia -Hemolytic anemias(Acquired) -Aplastic anemia | 1 |
| Lymphomas | 0.5 |
| Disorders of platelets and vessel wall "Thrombocytopenia" -Purpura | 0.5 |
| Anticoagulants | 0.5 |
| total | 3 |

B- Practical hematologTeaching)(10HRS)

Topics:

- 1-History taking in hematological disorders
- 2- pallor
- 3- Differential diagnosis of Lymphadenopathy
- 4- differential diagnosis of Hepatosplenomegaly
- 5-Acute leukemias
leukemias
- 7-Purpura
- 8- Bleeding tendency
- 9-Cases who need blood transfusion (Observation of the technique, and follow up)

4-Nephrology teaching

| Topics | No of lectures |
|---------------------------------------------------------------------------------------------------------------------------------|----------------|
| Structure and function | 0.5 |
| <u>Major clinical syndromes in nephrology:</u> Nephrotic syndrome Acute nephritic syndrome | 0.5 |
| <u>Disturbed renal function:</u> Acute renal failure Chronic renal failure Renal dialysis and Renal transplantation | 1 |
| <u>Urinary tract infections:</u> | 0.5 |
| Investigations of renal disease | 0.5 |
| Total | 3 |

B-Practical nephrology:. (8HRS) Topics:

- 1-History taking in renal disorders
- 2- Nephrotic syndrome
- 3-Generalized oedema
- 4-acute nephritis
- 5-Chronic renal failure
- 6-Acute renal failure
- 7- DD of Renal mass

Neonatology (module)

| | LEC. |
|------------------------------------------------------------|------|
| 1-Apgar score. | 1 |
| 2-Neonatal resuscitation of normal & asphyxiated newborns. | 3 |
| 3-Care of premature & postmature newborns. | 2 |
| 4-Birth injuries. | 2 |
| 5-Neonatal jaundice. | 2 |
| 6-Perinatal mortality. | 1 |
| 7-Congenital neonatal infections & tetanus neonatorum. | 2 |
| 8-Identification of congenital anomalies at birth. | 2 |
| Total | 15 |

4. Teaching and Learning Methods

- 4.1- Illustrated lectures
- 4.2- Clinical rounds on patients (once /week for 8 weeks)
- 4.3- Attendance in outpatients clinic (once/week for 8 weeks)
- 4.4- Case studies in department conference (once/week for 8 weeks)
- 4.5- Interactive presentations (lectures with discussion)

5. Methods of student assessments:

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |
| 5.4-OSCE | -Practical skills, intellectual skills General transferable skills |

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week 24
- 4- Assessment of attendance & absenteeism throughout the course

Weighting of Assessments

| | |
|--------------------------------|------|
| Final-term written examination | 50 % |
| Structured Oral Exam | 30 % |
| OSCE | 20 % |
| Total | 100% |

Formative only assessments: attendance and absenteeism

6. List of References

Internal medicine (module)

6.1- Essential Books (Text Books)

- Kumar and Clarke Textbook of Medicine; Parveen Kumar and Richard Clark; Blackwell Science; 14th edition, 2007
- Hutchison's Clinical Methods; Robert Hutchison; Harry Rainy; 21st edition;2003

6.2- Recommended Books

- Cecil Textbook of Medicine; McGraw Hill; 16th edition, 2007.
- Harrison's Textbook of Medicine, McGraw Hill, 2005.

6.3- Periodicals, Web Sites, ... etc.

- Pubmed, Cochrane Library.
- British J. Of Internal Medicine

Neonatology (module)

6.1- Essential Books (Text Books)

Essential Neonatal Medicine, Includes Desktop Edition [Sunil Sinha, Lawrence Miall, Luke Jardine]

6.2- Recommended Books

Nelson Textbook of Pediatrics, 19th Edition. By Robert M. Kliegman, MD, Bonita M.D. Stanton, MD, Joseph St. Geme, Nina Schor, MD, PhD and Richard E, 2012

6.3- Periodicals, Web Sites, ... etc

American J. of Neonatology

7. Facilities Required for teaching and learning.

1. **Adequate infrastructure:** including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
2. **Teaching Tools:** including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3. Computer Program: for designing and evaluating MCQs

Course Coordinator:

Internal medicine (module) : Lecturer. Mervat Mohamed Ahmed Attia

Neonatology (module) : Dr: Esmail Abd Elaleem

Head of Department:

Internal medicine (module) :Prof . Hassan Shehata.

Neonatology (module) : Dr. Mohamed A. Mohamed

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of General Surgery in Diploma degree in Obstetrics & Gynecology

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: general surgery.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A. Basic Information

Title: Course Specification of general surgery in Diploma degree in Obstetrics & Gynecology.

Code: GEN 0520-100

Total hours

| Lectures | Practical/Surgical | Tutorials/Clinical | Total hour | Credit hours |
|----------|--------------------|--------------------|------------|--------------|
| 15 | 15 | 30 | 45 | 2 |

B. Professional Information

1. Aims of the course:

To prepare an Ob. & Gyn. physician oriented with the principles of general surgery & able to prepare surgical patients for operative intervention and deal with them in the post-operative period. In addition, graduates should have enough **knowledge** about suture materials, abdominal incisions, acute abdomen & surgical conditions that complicate pregnancy or correlated with gynecological surgery. The graduates should develop an **attitude** that appreciates the value of surgical skills & techniques in the field of OB. & GYN. surgery.

2. Intended Learning Outcomes of Course (ILOs):

a) **Knowledge and Understanding:**

By the end of this course, students should be able to:

- a1. General problems, presentations & intra-operative and post-operative complications of the surgical patient. Besides adequate knowledge about the general surgical skills.
- a2. The surgical conditions correlated with pregnancy & those encountered in surgical patients.

b) **Intellectual Skills**

By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology related to general surgery.

- c) **Professional and Practical Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
c1. Master the basic surgical skills
- d) **General and Transferable Skills**
By the end of the study of Diploma program in Obstetrics & Gynecology the Graduate should be able to:
d1. Use different sources to obtain information and knowledge.
d2. Work in a team and manage time.

3. **Contents**

I-LECTURES

1-GENERAL PART: (7 Hours)

1. Hemorrhage (1Hr).
2. Shock (1 Hr).
3. -Abdominal incisions (1Hr).
4. -Blood transfusion & blood substitutes (1Hr) .
5. -Acute abdomen (1 Hr).
6. Post-operative abdominal complications (1 Hr).
7. Injuries of intra-abdominal structures (1 Hr).

2-SPECIAL PART; (8 Hours)

1. -Breast lump & disease (1 Hrs).
2. -Thyroid swellings (1 Hr).
3. Hemorrhoides, anal fissure, peri-anal suppuration & rectal prolapse (1 Hr).
4. -Varicose veins, DVT & pulmonary embolism (1 Hr)..
5. - hernias (incisional, femoral, umbilical & para-umbilical hernias,). (1 Hr).
6. -Mass in the umbilical region & mass in the right iliac fossa (1Hr)..
7. -Peritonitis & hemoperitoneum (1 Hr)..
8. -Abdominal trauma (1 Hr)..

4. **Teaching and Learning Methods**

- 1- Lectures.
- 2- Clinical training on patients (clinical round & inpatients).
- 3- Surgical training on surgical wards.
- 2- Practical training on x-rays, instruments, suture materials & jars.

5. **Methods of student assessments:**

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |
| 5.4-OSCE | -Practical skills, intellectual skills General transferable skills |

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

Weighing of Assesment

| | | |
|-------------------------------|-----------------------|------------|
| Log book..... | Formative Exam | |
| Final Examination..... | | 50% |
| Structured Oral Exam | | 30% |
| OSCE | | 20% |

6. List of References

- 6.1- Essential Books (Text Books)
 - Essentials of General Surgery [Peter F. Lawrence MD, Richard M. Bell MD, Merril T. Dayton MD, James C. Hebert MD FACS] , 2009
- 6.2- Recommended Books
 - Bailey & Love's Short Practice of Surgery 26E (Williams, Bailey and Love's Short Practice of Surgery) [Norman Williams, Christopher Bulstrode, P Ronan). 2011
- 6.3- Periodicals, Web Sites, ... etc
 - American J. of general surgery
 - Cochrane Library, Medline & Popline

7. Facilities Required for teaching and learning.

- a. Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.
- b. Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.
- c. Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr . Nabil Abo Eldahab.

Head of Department: Dr. Alaa Elasuity

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Bio Statistics in Diploma degree in Obstetrics & Gynecology.

Sohag University

Faculty of Medicine

1. Program Title: Diploma degree in Obstetrics & Gynecology.
2. Minor element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Community medicine.
5. Academic Year/level: 1st part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A- Basic Information

Title: Course Specification of Bio Statistics in Diploma degree in Obstetrics & Gynecology.

Code: COM 0520-100

Total hours

| Lectures | Practical | Tutorial | Total hour | Credit hours |
|----------|-----------|----------|------------|--------------|
| 15 | 30 | - | 45 | 2 |

B- Professional Information

1. Overall Aims of the Course

The aim of this program is to provide the postgraduate student with the advanced medical knowledge and skills essential for the mystery of the practice of biostatistics specialty and necessary to provide further training and practice in the field of Obstetrics & Gynecology through providing recent scientific knowledge essential for the mystery of practice of biostatistics according to the international standards

2. Intended Learning Outcomes of Course (ILOs)

a) **Knowledge and understanding:**

By the end of the course, the OBS / GYN post-graduate is expected to be able to:

- a1. Enumerate the principles and fundamentals of quality of professional practice in the field of Obstetrics & Gynecology.
- a2. List the effect of professional practice on the environment and the methods of environmental development and maintenance.

b) **Intellectual Skills**

By the end of the course, the student is expected to be able to:

b1. Analyze researches and issues related to Obstetrics & Gynecology.

c) Professional and Practical Skills:

By the end of the course, the student is expected to be able to:

c1. Apply professional skills in the area of Obstetrics & Gynecology.

d) General and Transferable Skills:

By the end of the course, the student is expected to be able to:

d1. Assess himself and identify personal learning needs.

3. Contents

| Topic | Lecture | Tutorial/ Practical |
|-------------------------------------------------|-----------|------------------------|
| collection, analysis and interpretation of data | 4 | |
| Tests of significance: | | |
| Proportion test | 3 | 6 |
| Chi-square test | 2 | 6 |
| Student T test | 2 | 6 |
| Paired T test | 2 | 6 |
| - parametric and non parametric tests | 2 | 6 |
| Total hours | 15 | 30 |
| Credit | 1 | 1 |

4. Teaching and Learning Methods

4.1- Lectures.

4.2- Practical sessions.

4.3- Computer search assignments

5. Student Assessment Methods

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |
| 5.4 Computer search assignment | -General transferable skills, intellectual skills |

Assessment Schedule

Assessment 1.....Final written exam..... week: 24

Assessment 2.....Final Structured Oral Exam week: 24

Assessment 3..... Attendance and absenteeism throughout the course

Weighting of Assessments

| | | |
|---------------------------|-----|---|
| Final written examination | 50 | % |
| Structured Oral Exam | 50 | % |
| Total | 100 | % |

Any formative only assessments: Attendance and absenteeism throughout the course

Computer search assignment performance throughout the course

6. List of References

6.1- Essential Books (Text Books)

1-Maxy-Rosenau Public health and preventive medicine, Prentice – Hall International Inc.

6.2- Recommended Books

1- Dimensions of Community Health, Boston Burr Ridge Dubuque.

2- Short Textbook of preventive and social Medicine. Prentice-Hall International Inc.

3- Epidemiology in medical practice, 5th edition. Churchill Livingstone. New York, London and Tokyo.

6.3- Periodicals, Web Sites, ... etc

1-American Journal of Epidemiology

2-British Journal of Epidemiology and Community Health

3- WWW. CDC and WHO sites

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Course Coordinator: Dr/Ahmed Fathy Hammed

Head of Department: Prof/Eman Abd El-Baset Mohammed

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013

Course Specification of Obstetrics, Gynecology and family planning in Diploma degree in Obstetrics & Gynecology

Sohag University

Faculty of Medicine

1. **Program Title:** Diploma degree in Obstetrics & Gynecology family planning.
2. Major element of program
3. Department offering the program: Obstetrics & Gynecology
4. Department offering the course: Obstetrics & Gynecology.
5. Academic Year/level: 2nd part
6. Date of specification approval: Faculty council No. "250", decree No. "1378" dated 28/12/2013

A- Basic Information

Title: Course Specification, Obstetrics, Gynecology and family planning in Diploma degree in Obstetrics & Gynecology.

Code: OBS 0520-100

| Module | Lectures | Surgical | Tutorials/Clinical | Total hour | Credit hours |
|------------------------|----------|----------|--------------------|------------|--------------|
| Obstetrics module | 120 | 60 | 60 | 240 | 12 |
| Gynecology module | 120 | 60 | 60 | 240 | 12 |
| family planning module | 45 | -- | 30 | 75 | 4 |
| Total | 285 | 120 | 150 | 555 | 28 |

B- Professional Information

1. Program Aims:

Obstetrics module:

The aim of this program is to provide the postgraduate with the advanced medical/ knowledge and skills essential for safe practice of specialty and necessary for further training and practice in the field of Obstetrics & Gynecology. through providing:

1. Recent scientific knowledge essential for diplomay of practice of Obstetrics & Gynecology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making and operative skills.
3. Ethical principles related to the practice in this highly sensitive specialty.
4. Active participation in community needs assessment and problems identification.
5. maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

Gynecology module:

The aim of this program is to provide the postgraduate with the advanced medical/ knowledge and skills essential for safe practice of specialty and necessary for further training and practice in the field of Obstetrics & Gynecology. through providing:

- a. Recent scientific knowledge essential for diplomay of practice of Obstetrics & Gynecology according to the international standards.
- b. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making and operative skills.
- c. Ethical principles related to the practice in this highly sensitive specialty.
- d. Upgrading research interest and abilities.

Family planning module:

The aim of this program is to provide the postgraduate with the advanced medical/ knowledge and skills essential for safe practice of specialty and necessary for further training and practice in the field of Obstetrics & Gynecology. through providing:

1. Recent scientific knowledge essential for mastery of practice of Obstetrics & Gynecology according to the international standards.
2. Skills necessary for proper diagnosis and management of patients in the field of Obstetrics & Gynecology including diagnostic, problem solving and decision making and operative skills.
3. Ethical principles related to the practice in this highly sensitive specialty.
4. Active participation in community needs assessment and problems identification.
5. Maintenance of learning abilities necessary for continuous medical education.
6. Upgrading research interest and abilities.

2. Program Intended Learning Outcomes (ILOs)

Obstetrics module:

a) Knowledge and Understanding:

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- a1. List the causation of Obstetric problems and their pathogenesis.
- a2. Enumerate Methods of promoting maternal and fetal health and preventing their illness.
- a3. List the clinical picture and differential diagnosis of Obstetric illnesses.
- a4. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of Obstetric illnesses.
- a5. Describe the various therapeutic methods/alternatives used for Obstetric diseases.
- a6. Mention scientific developments in the field of Obstetrics.
- a7. Enumerate the principles and fundamentals of quality of professional practice in the field of Obstetrics & Gynecology
- a8. Describe the effect of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology and rank them according to their priorities.
- b2. Solve problems in the area of Obstetrics & Gynecology.
- b3. Analyze researches and issues related to Obstetrics & Gynecology.
- b4. Assess risk in professional practices in the field of Obstetrics & Gynecology.
- b5.** Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Apply professional skills in the area of Obstetrics & Gynecology.
- c2. Write medical reports.
- c3. Use appropriate technology existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and manage time.
- d6. Lead the team in familiar professional contexts.
- d7.** Learn himself continuously

Gynecology module:

a) Knowledge and Understanding:

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- a1. List the causation of gynecologic diseases and their pathogenesis.
- a2. List the clinical picture and differential diagnosis of gynecologic illnesses.
- a3. Enumerate the common diagnostic and laboratory techniques necessary to establish diagnosis of gynecologic illnesses.
- a4. Describe the various therapeutic methods/alternatives used for gynecologic diseases.
- a5. Describe scientific developments in the field of Obstetrics & Gynecology
- a6. Enumerate the principles and fundamentals of quality of professional practice in the field of Obstetrics & Gynecology
- a7. Mention the effect of professional practice on the environment and the methods of environmental development and maintenance

b) Intellectual Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Identify and analyze the information in the field of Obstetrics & Gynecology and rank them according to their priorities.
- b2. Solve problems in the area of Obstetrics & Gynecology.
- b3. Analyze researches and issues related to Obstetrics & Gynecology.

- b4. Assess risk in professional practices in the field of Obstetrics & Gynecology.
- b5. Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Apply professional skills in the area of Obstetrics & Gynecology.
- c2. Write medical reports.
- c3. Use appropriate technology existing in the area of Obstetrics & Gynecology

d) General and Transferable Skills

By the end of the study of diploma program in Obstetrics & Gynecology the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.
- d5. Work in a team and manage time.
- d6. lead the team in familiar professional contexts.
- d7. Learn himself continuously

Family planning module:

a) Knowledge and Understanding:

By the end of the study of master program in Obstetrics & Gynecology the Graduate should be able to:

- a1. Describe the structure, mechanism of action, advantages, disadvantages, side effects and complications of the different family planning methods.

b) Intellectual Skills

By the end of the study of master program in Obstetrics & Gynecology the Graduate should be able to:

- b1. Analyze researches and issues related to family planning.
- b2. Assess risk in professional practices in the field of family planning.
- b3. Make professional decisions in the light of the available data.

c) Professional and Practical Skills

By the end of the study of master program in Obstetrics & Gynecology the Graduate should be able to:

- c1. Apply professional skills in the area of family planning.
- c2. Write medical reports.
- c3. Use appropriate technology existing in the area of family planning.

d) General and Transferable Skills

By the end of the study of master program in Obstetrics & Gynecology the Graduate should be able to:

- d1. Perform the different types of effective communication.
- d2. Use information technology to serve the development of professional practice.
- d3. Assess himself and identify personal learning needs.
- d4. Use different sources to obtain information and knowledge.

- d5. Work in a team and manage time.
- d6. lead the team in familiar professional contexts.
- d7. Learn himself continuously

3. Contents/Curriculum

Obstetrics module:

| Topics | No. Of Hours |
|------------------------------------------------------------------------------------|--------------|
| - Fertilization, implantation, and early development of the fetus, placenta, cord. | 1 |
| - Placental function, abnormalities of placenta. | 2 |
| - Formation and function of liquor amni, foetal circulation. | 2 |
| - Physiology of pregnancy. | 2 |
| - Diagnosis of pregnancy. | 2 |
| - Antenatal care. | 2 |
| - Hyperemesis gravidarum, Pyelitis with pregnancy. | 2 |
| - Abortion. | 2 |
| - Ectopic pregnancy. | 2 |
| - Hydatidiform mole. | 2 |
| - Hypertensive disorders during pregnancy. | 4 |
| - Placenta praevia. | 2 |
| - Accidental haemorrhage | 2 |
| - Diabetes with pregnancy. | 3 |
| - Anaemias with pregnancy. | 2 |
| - High-risk pregnancy. | 2 |
| - Polyhydramnios, oligohydramnios. | 2 |
| - Foetal growth and its disorders. | 2 |
| - Rh isoimmunization. | 2 |
| - Common foetal anomalies. | 2 |
| - Placental insufficiency. Antepartum assessment of foetal well-being. | 2 |
| - Anatomy of female bony pelvis, anatomy of foetal skull. | 2 |
| - Physiology of normal labour. | 2 |
| - Mechanism of normal labour. | 2 |
| - Management of normal labour. | 2 |
| - Analgesia, anaesthesia in obstetrics. | 2 |
| - Occipito-posterior position. | 2 |
| - Face and brow presentation. | 2 |
| - Breech presentation. | 2 |
| - Shoulder & complex presentation. | 2 |
| - Cord presentation and prolapse. | 1 |
| - Multiple pregnancy. | 2 |
| - Abnormal uterine action. | 2 |
| - Contracted pelvis, cephalopelvic disproportion. | 2 |
| - Soft tissue dystocia. | 2 |
| - Obstructed labour. | 2 |
| - Rupture uterus. | 2 |
| - Lower genital tract injuries during labour. | 2 |
| - Postpartum haemorrhage. | 3 |
| - Other third stage complications. | 2 |
| FOETUS-NEONATE: | |

| | |
|---------------------------------------------------------|------------|
| - Foetal birth injuries. | 2 |
| - Neonatal asphyxia. | 2 |
| - Post-term pregnancy. | 2 |
| - Preterm labour and prematurity. | 2 |
| - I.U.F.D. | 2 |
| - Normal puerperium. | 1 |
| - Puerperal sepsis, pyrexia. | 2 |
| - Induction of labour. | 2 |
| - Instrumental deliveries in modern obstetric practice. | 2 |
| - Cesarean section. | 2 |
| 9-ULTRASOUND IN OBSTETRICS: | 2 |
| 10- MATERNAL AND PERINATAL MORTALITY. | 2 |
| Total | 120 |

Gynecology module:

| Topics | No. Of Hours |
|------------------------------------------------------|---------------------|
| - Physiology of menstruation. | 2 |
| - Puberty. | 2 |
| - Menopause. | 3 |
| - Dysmenorrhea and premenstrual syndrome | 3 |
| - Amenorrhea. | 4 |
| - Ovulation and its disorders. | 5 |
| - Abnormal bleeding from the genital tract. | 6 |
| - Human sexuality and female sexual dysfunction. | 2 |
| - Infertility. | 9 |
| -REPRODUCTIVE TRACT INFECTIONS: | |
| - Sexually transmitted diseases. | 2 |
| - Pelvic inflammatory disease. | 4 |
| - Lower genital tract infections. | 3 |
| - Genital prolapse-R.V.F. | 6 |
| - Genito-urinary fistula and stress incontinence. | 4 |
| - Old complete perineal tear & rectovaginal fistula. | 3 |
| -UTERINE FIBROIDS. | 8 |
| -ENDOMETRIOSIS AND ADENOMYOSIS. | 4 |
| -GYNECOLOGIC ONCOLOGY: | |
| - Benign swelling of the vulva and cancer vulva. | 3 |
| - Benign swelling of the vagina & cancer vagina. | 2 |
| - Cervical carcinoma. | 7 |
| - Cancer body. | 5 |
| - Ovarian tumours. | 8 |
| - Choriocarcinoma. | 4 |
| -BREAST FOR THE GYNECOLOGIST: | 2 |
| -IMAGING IN GYNECOLOGY: | 5 |
| -OPERATIVE GYNECOLOG, INCLUDING ENDOSCOPY | 7 |
| Total | 120 |

Family planning module:

| Lectures | Total hour |
|------------------------------|------------|
| Introduction | 3 |
| IUCD | 6 |
| Injectable Contraceptive | 6 |
| Combined oral contraceptive. | 6 |
| Progesteron only pills | 3 |
| Sebdermal limplants | 6 |
| Emergency contraceptive | 6 |
| Barrier methods. | 3 |
| Natural methods | 3 |
| Male contraception | 3 |
| Total | 45 |

4. Teaching & Learning methods.

- Lectures.
- Clinical lessons
- Surgical lessons
- Assignment
- Attending and Participating in Scientific Conference, Workshop and thesis discussion to acquire the general and transferable skills needed.

5. Methods of student assessments:

| Method of assessment | The assessed ILOs |
|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| 5.1- Observation of attendance and absenteeism. | - General transferable skills, intellectual skills |
| 5.2-Written Exam: -Short essay: 40% -structured questions: 25% -MCQs: 20% -Commentary, Problem solving: 15% | - Knowledge - Knowledge - Knowledge, intellectual skills - Intellectual skills, General transferable skills, |
| 5.3-Structured Oral Exam | - Knowledge, Intellectual skills, General transferable skills |
| 5.4-OSCE | -Practical skills, intellectual skills General transferable skills |

Assessment Schedule

- 1- Assessment 1: written examination week 24
- 2- Assessment 2: Structured Oral Exam week 24
- 3- Assessment 3: OSCE week24
- 4- Assessment of attendance & absenteeism throughout the course

Weighing of Assessment Log book..... Formative Exam

| | |
|--------------------------------|------|
| Final-term written examination | 50% |
| Structured Oral Exam | 30% |
| OSCE | 20% |
| Total | 100% |

6. List of References

6.1- Essential Books (Text Books)

- Berek and *Novak's Gynecology* [Jonathan S. Berek MD MMS], 2011
- **Williams Obstetrics**: 23rd Edition [F. Cunningham, Kenneth Leveno, Steven Bloom, John Hauth, Dwight Rouse, Catherine Spong].

6.2- Recommended Books

- Hacker & Moore's Essentials of Obstetrics and Gynecology (*Essentials of Obstetrics & Gynecology* (Hacker)) - Kindle edition by Neville F. Hacker, Joseph C.
- Cochrane Library, Medline & Popline

7. Facilities Required for teaching and learning.

1- Adequate infrastructure: including teaching places (teaching class, teaching halls, teaching laboratory), Comfortable desks, good source of aeration, bathrooms, good illumination, safety & Security tools.

2- Teaching Tools: including screens, Computer including cd(rw), data shows, Projectors, flip charts, white board, video player, digital video camera, Scanner, copier, colour and laser printers.

3- Computer Program: for designing and evaluating MCQs

Coordinator. Salah M. Rasheed

Head of Department: Abdo Saied Ait Alla

Date: 18/12/2011, Revised:1/9/2012, Revised:1/12/2013