



# MMIP Program Level 6

# **SEMESTER 5A**

# GYNECOLOGY

University: Menoufia

Faculty: Medicine

## A-Administrative information

Course title: Gynecology

Code: MMIP- GYN 501

Program on which the course is given: MMIP

Department offering the course:  
Gynecology and Obstetrics Department

Academic year: 5<sup>th</sup> year

Semester: 5A

Credit hours:

Lectures: 4.5 credit hour ( 67.5 taught hours) Practical:3.5 credit hours(105 taught) Total: 8 credit hours (172.5 taught hours)

## Course Contents:

| Gynecology topics                                      | Lecture  | Clinical  |
|--|----------|-----------|
| <b>Part (1) Anatomy of the female genital tract</b>    | <b>4</b> | <b>0</b>  |
| 1. External genitalia                                  | 1        | 0         |
| 2. Internal genitalia                                  | 2        | 0         |
| 3. Female pelvic structures and its blood supply       | 1        | 0         |
| <b>Part (2) Embryology and Genetics</b>                | <b>3</b> | <b>0</b>  |
| 1. Development of the female genital organs            | 1        | 0         |
| 2. Congenital abnormalities of the genital tract       | 1        | 0         |
| 3. Basic genetics for gynecologist                     | 1        | 0         |
| <b>Part (3) Physiology of menstruation</b>             | <b>2</b> | <b>2</b>  |
| 1. Hormonal control, ovarian cycle and menstrual cycle | 1        | 0         |
| 2. Puberty   | 1        | 2         |
| 3. Menopause   |          |           |
| <b>Part (4) Disorders of menstruation</b>              | <b>5</b> | <b>10</b> |

|  |          |           |
|--|----------|-----------|
| 1. Dysmenorrhea                                | 1        | 2         |
| 2. Premenstrual tension syndrome               |          |           |
| 3. Amenorrhea                                  | 2        | 4         |
| 4. Abnormal menstruation and bleeding:         | 2        | 4         |
| a. Oligomenorrhea                              |          |           |
| b. Hypomenorrhea                               |          |           |
| c. Menorrhagia                                 |          |           |
| d. Polymenorrhea                               |          |           |
| e. Metrorrhagia                                |          |           |
| f. Dysfunctional uterine bleeding              |          |           |
| g. Post menopausal bleeding                    |          |           |
| h. Prepubertal bleeding                        |          |           |
| <b>Part (5) Infertility and sexuality</b>      | <b>5</b> | <b>10</b> |
| 1. Anovulation, PCO and induction of ovulation | 1        | 2         |
| 2. Cervical factors of infertility             | 1        | 2         |
| 3. Uterine factors of infertility              |          |           |

## Internal Medicine II

**University:** Menoufia

**Faculty:** Medicine

### A - Administrative Information

**Course Title** : Internal Medicine II **Code:** MMIP-INTM 502

**Departments offering the course :** Internal Medicine Department, Chest and Tuberculosis department, Cardiology department

**Program on which the course s given** : MMIP Academic

**year/level :** Fifth year

**Semester:** 5A

**Credit hours:** Lectures:3 credit hrs (45 taught hours) **Practical:**  
3 credit hrs (90 taught hours) **Total:** 6  
credit hour (135h)

### Course Contents

**a- Immunology , Rheumatology & genetics (1 credit hour= 15 theoretical hour)**

- Rh1:Immunological disorders classification
- Rh2:immunodeficiencies
- Rh3:Autoimmunity
- Rh4:Autoinflammatory diseases
- Rh5:Allergy & anaphylaxis
- Rh5:Urticarial and angioedema
- Rh6:Rheumatoid arthritis
- Rh7:Sero-negative arthropathy
- Rh8:Systemic lupus
- Rh9:Anti-phospholipid syndrome
- Rh10:Sjogren syndrome
- Rh10:Adult onset still's
- Rh10:Scleroderma
- Rh11:Dermatomyositis & polymyositis
- Rh11:Mixed,Overlap/undifferentiated syndromes
- Rh12:Systemic Vasculitis
- Rh12:Behcet's disease
- Rh13:Crystal induced arthropathy
- Rh14:Sarcoidosis
- Rh14:Osteoporosis
- Rh15:Genetics in immunological and rheumatological diseases

**b- Chest (1 credit hour= 15 theoretical)**

- 1- Chest symptoms and signs
- 2- Pneumonias
- 3- interstitial pulmonary fibrosis
- 4- COPD
- 5- tuberculosis introduction
- 6- tuberculosis
- 7- suppurative lung disease
- 8- bronchial asthma



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- 9- sleep apnea
- 10- pulmonary embolism
- 11- respiratory failure
- 12- pulmonary hypertension
- 13- pleural diseases
- 14- mediastinum
- 15- lung cancer

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**c- Cardiology Course (1 credit hour= 15 h)**

- 1- Rheumatic fever
- 2- Infective endocarditis
- 6- Ischemic heart disease cor pulmonale
- 7- pulmonary embolism
- 8- Arrhythmia 1
- 9- Arrhythmia 2
- 10- Heart failure
- 11- Pericarditis
- 11- cardiomyopathy
- 12- congenital heart diseases
- 13- Cardiovascular drugs
- 14- Ischemic heart disease
- 15- Large vessel disease
- 16- Hypertension

**Clinical training Course**

**1 credit hour (90 practical hours)**

**1 credit hour in internal medicine department**

**Rheumatology unit 1 credit hour in chest department**

**1 credit hour in cardiology**

**department Clinical internal**



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## medicine training Course

- History taking

\*\*Tutorials

### Rheumatology case taking & Examination:

- History taking and examination of rheumatological cases  
History of rheumatologic disease
- Joint examination
- Rheumatoid arthritis + hand examination
- Systemic lupus erythematosus

### Clinical course activities

The student should

- present** (5 cases ) ,
- write** (an essay) ,
- attend** (at O.C , ER, ICU & S.U.)
- Presentation:**

Case presentation:

Presentation of 5 clinical cases of different systems.

- Writing an essay**

About 10 pages on one common medical subject e.g

- Attendance and making a short report about:**
  - a. 5 different cases from Outpatient Clinic
  - b. 5 different cases from the Emergency Room (ER)
  - c. 5 different cases from the Intensive Care Unit (ICU)

# SURGERY II

**University: Menoufia**

**Faculty: Medicine**

## A-Administrative information

**Course Title:** Surgery II.

**Code:** MMIP –SURG 503.

**Semester:** 5A.

**Department offering the course:** Cardiothorathic surgery Department – Orthopedic surgery Department.

**Program(s) on which the course is given:** MMIP.

**Date of specification/revision:** 2015.

**Date of approval by Departmental and Faculty Council:** July 2015.

**Credit hours:**5 / **Taught hrs:** 120 **Lecture:** 1.5 credit hrs/ 22,5 Taught hrs.

**Practical:** 2.5 credit hrs/ 75 Taught hrs.

**Total:** 4 Credit hours / 97.5 Taught hrs

## **Course Contents**

### **ORTHOPEDIC SURGERY:**

- Management of polytrauma patient
- Principles and complications of fractures
- Open fractures
- Upper limb injuries
- Lower limb injuries
- Spine injuries
- Orthopedic infections
- Osteoarthritis
- Principles of bone tumor
- Pediatric orthopedics
- Foot disorders
- Knee deformities



- Nerve injuries management
- Metabolic bone disorders
- Crystal deposition disorders
- Osteonecrosis.

**Cardiothoracic surgery:**

- Pleural diseases
- Lung diseases
- CABG
- Cardiac valves diseases
- Anticoagulant and bridging therapy
- Pericardial effusion
- Chest x ray and ct chest
- Cardiac emergencies
- Chest trauma

## Pathology IV

**University: Menoufia**

**Faculty: Medicine**

### A-Administrative information

**Course title :** Pathology IV

**Code No:** MMIP- PATH 504

**Department offering the course:**

**Pathology Programme(s) on**

**which the course is given:**

**MMIP Academic year: Fifth**

year

**Semester: 5A**

**Date of specification :** 2015

**Date of approval by Department and Faculty Council :**

**July 2015 Credit hours:**

**Lecture: 1 credit hours/ 15 taught hours**

**Practical: 0.5 credit**

**hour/ 15 taught hours**

**Total: 1.5 credit hours**

**Course contents:**

management

|                  | Topic  | Hours for lectures | Hours for clinical | Total no. of hours per semester / year |
|------------------|--|--------------------|--------------------|--|
|                  | <b>Semester 5A<br/>[Special pathology]</b>           | <b>15h</b>         | <b>15 h</b>        | <b>30 hours</b>                        |
| <b>1st week</b>  | Cardiovascular system and blood vessels              | 1 H                | 1H                 | 2                                      |
| <b>2nd week</b>  | Lower respiratory diseases                           | 1H                 | 1H                 | 2                                      |
| <b>3rd week</b>  | Surgery of suppurative lung diseases                 | 1H                 | 1H                 | 2                                      |
| <b>4th week</b>  | Pleural diseases                                     | 1H                 | 1H                 | 2                                      |
| <b>5th week</b>  | Bronchogenic carcinoma                               | 1H                 | 1H                 | 2                                      |
| <b>6th week</b>  | Urinary tract infections and pyelitis with pregnancy | 1H                 | 1H                 | 2                                      |
| <b>7th week</b>  | Urological neoplasms                                 | 1H                 | 1H                 | 2                                      |
| <b>8th week</b>  | Joints   | 1H                 | 1H                 | 2                                      |
| <b>9th week</b>  | Bone tumors  | 1H                 | 1H                 | 2                                      |
| <b>10th week</b> | Bone tumors  | 1H                 | 1H                 | 2                                      |

|                  |                                   |    |    |   |
|------------------|-----------------------------------|----|----|---|
| <b>11th week</b> | Genital infections                | 1H | 1H | 2 |
| <b>12th week</b> | Endometrial lesions               | 1H | 1H | 2 |
| <b>13th week</b> | Ovarian diseases                  | 1H | 1H | 2 |
| <b>14 week</b>   | Gynecologic tumors with pregnancy | 1H | 1H | 2 |
| <b>15 week</b>   | Gynecologic oncology              | 1H | 1H | 2 |

## Pharmacology IV

**University: Menoufia**

**Faculty: Medicine**

### A-Administrative Information

**Course title :** Pharmacology IV

**Code No:** MMIP-PHAR 505

**Department offering the course:**

**Clinical Pharmacology**

Department

**Programme(s) on which the course is given:**

MMIP

**Academic year:** Fifth year

**Semester:** 5A

**Date of specification :**2015

**Date of approval by Department and Faculty Council:**

**July 2015** Credit hours:

**Lecture:**1 credit hour/ 15 taught hours

**Practical:**

*0.5 credit hour/ 15taught hours. Total: 1.5 credit hour*

### **2- Course Contents:**

| Semester     | Code &Content                  | Lecture   | Practical |
|--------------|--------------------------------|-----------|-----------|
| 5A           | • Cardiovascular pharmacology, | 5         | 5         |
|              | • Respiratory pharmacology,    | 2         | 2         |
|              | • Treatment of T.B             | 2         | 2         |
|              | • Analgesics                   | 2         | 2         |
|              | • Immunopharmacology,          | 1         | 1         |
|              | • Gene therapy                 | 1         | 1         |
|              | • Sex hormones                 | 1         | 1         |
|              | • Prescribing in pregnancy     | 1         | 1         |
| <b>Total</b> |                                | <b>15</b> | <b>15</b> |

**Detailed description of the topics:**

**1- Cardiovascular pharmacology:**

Treatment of heart failure, antihypertensive drugs ,drug therapy of angina pectoris , treatment of shock , antiarrhythmic drugs , drug therapy of peripheral vascular disease.

**2- Respiratory system:**

Bronchodilators , expectorants , mucolytics , antitussive , therapeutic gases.

**3- Treatment of tuberculosis**

**4- Sex hormones and anabolic steroids.5- Analgesics.**

**6- Gene therapy:**

Methods of gene delivery , concept of gene therapy and indications of gene therapy.

**7- Immunopharmacology:**

Immunomodulating agents , immunosuppressive agents.

## 8- Prescribing in pregnancy.

### FAMILY MEDICINE III

University: Menoufia

Faculty: Medicine

#### A-Administrative information

Course title: Family medicine III

Code: MMIP- FAML-506

Program on which the course is given: MMIP

Department offering the course: Family medicine

Academic year / Level: 5<sup>th</sup> year

Semester: 5A

**Credit hours: Lectures:** 1 credit hour (15 theoretical hours), **Practical:** 1 credit hour ( 24 practical hours – 6 hours training ), **Total:** 2 credit houers (45 taught hours)

#### Course Contents

| No | Topic   | No of hours            |                    |                 | total |
|----|---|------------------------|--------------------|-----------------|-------|
|    |   | Theoretical<br>15 hour | Practical          |                 |       |
|    |   |                        | Clinical<br>rounds | Field<br>visits |       |
| 1  | Problem solving   | 1                      | -----              |                 | 1     |
| 2  | Management of chronic diseases in family practice (HTN) | 1                      | 4                  | 2               | 7     |
| 3  | Management of chronic diseases in family practice (DM)  | 1                      | 4                  | 2               | 7     |
| 4  | Fatigue in adult patient                                | 1                      | -----              | ----            | 1     |

|    |  |       |      |       |    |
|----|--|-------|------|-------|----|
| 5  | Common joint and musculoskeletal diseases in family practice | 1     | 2    | ----  | 3  |
| 6  | Geriatric care in family practice                            | 1     | 2    | ----  | 3  |
| 7  | Low back pain  | 1     | ---- |       | 1  |
| 8  | Neck pain  | 1     | ---- | ----  | 1  |
| 9  | Premarital counseling  | 1     | ---- | ----  | 1  |
| 10 | Contraceptive methods used in family practice                | 1     | 4    | 2     | 7  |
| 11 | Woman health (osteoporosis)                                  | 1     | 2    | ----  | 3  |
| 12 | Woman health (Menopause)                                     | 1     | 2    | ----  | 3  |
| 13 | Vaginal discharge in different age groups                    | 1     | ---- | ----  | 1  |
| 14 | Emergency (cardiopulmonary)                                  | ----- | 2    | ----  | 2  |
| 15 | Integrated seminar ( case of chest pain)                     | 2     | 2    | ----- | 4  |
|    | Total  | 15    | 24   | 6     | 45 |

# SEMESTER 5B

# OBSTETRICS

University: Menoufia

Faculty: Medicine

## A-Administrative information

Course title:

Family medicine III

Code: MMIP- OBST-506

Program on which the course is given:

MMIP Department offering the course:

Family medicine Academic year / Level: 5<sup>th</sup>

year

Semester: 5B

**Credit hours: Lectures:** 4 credit hour (60 theoretical hours),

**Practical:**3 credit hour ( 90 practical hours ), **Total:** 7 credit hours (150 taught hours)

## Course Contents:

| Obstetric Topics                          | Lecture  | Practical |
|---|----------|-----------|
| <b>Part (1) Normal pregnancy</b>          | <b>7</b> | <b>8</b>  |
| a. Reproductive biology                   | 3        | 0         |
| b. Physiological changes during pregnancy | 2        | 4         |
| c. Diagnosis of pregnancy                 | 1        | 2         |
| d. Antenatal care                         | 1        | 2         |
| <b>Part (2) Abnormal pregnancy</b>        | <b>5</b> | <b>10</b> |
| 1. Hemorrhage in early pregnancy          | 3        | 6         |
| 2. Abortion                               |          |           |
| 3. Ectopic pregnancy                      |          |           |
| 4. Molar pregnancy                        |          |           |



|   |           |           |
|---|-----------|-----------|
| 1. Hemorrhage in late pregnancy                       | 2         | 4         |
| 2. Classifications of Antepartum hemorrhage           |           |           |
| 3. Placenta praevia                                   |           |           |
| 4. Abruptio placentea                                 |           |           |
| <b>Part (3) Medical disorders with pregnancy</b>      | <b>12</b> | <b>18</b> |
| 1. Vomiting of pregnancy                              | 1         | 1         |
| 2. Hypertensive disorders in pregnancy                | 2         | 4         |
| 3. Heart disease in pregnancy                         | 1         | 2         |
| 4. Anemia in pregnancy                                | 1         | 2         |
| 5. Diabetes mellitus in pregnancy                     | 1         | 2         |
| 6. Urinary tract infections & pyelitis with pregnancy | 1         | 2         |
| 7. Infectious disease in pregnancy                    | 1         | 2         |
| 8. Polyhydramnios and oligohydramnios                 | 1         | 1         |
| 9. Miscellaneous disorders with pregnancy             | 2         | 1         |
| a. Pendulous abdomen                                  |           |           |
| b. Gynecologic tumors with pregnancy                  |           |           |
| c. Abdominal pain during pregnancy                    |           |           |
| d. Elderly primigravida                               |           |           |
| e. Grand multipara                                    |           |           |
| 10. High-risk pregnancy                               | 1         | 1         |
| <b>Part (4) Normal labor</b>                          | <b>5</b>  | <b>9</b>  |
| 1. Components of labor                                | 2         | 4         |
| a. Passages (Female pelvis)                           |           |           |
| b. Passengers (Fetal skull and the fetus)             |           |           |
| 2. Mechanism and physiology of uterine Contraction    | 1         | 1         |
| 3. Management of normal labor                         | 1         | 2         |
| 4. Newborn baby                                       |           |           |
| 5. Obstetric analgesia and anesthesia                 | 1         | 2         |
| <b>Part (5) Abnormal labor</b>                        | <b>14</b> | <b>23</b> |

|   |           |           |
|---|-----------|-----------|
| 1. Malposition and malpresentation<br>o Occipito-posterior position<br>o Face presentation<br>a. Brow presentation<br>b. Complex presentation<br>c. Breech presentation<br>d. Shoulder presentation<br>e. Unstable lie and shoulder dystocia<br>f. Cord presentation and prolapse | 6         | 10        |
| 2. Multiple (Multi-fetal) pregnancy   | 1         | 1         |
| 3. Abnormal uterine action  | 1         | 2         |
| 4. Obstructed labor including Contracted pelvis   | 1         | 2         |
| 5. Obstetric genital tract injuries<br>1. Uterine rupture<br>2. Cervical lacerations<br>3. Vaginal lacerations<br>4. Perineal lacerations<br>5. Genital tract haematomas  | 2         | 2         |
| 6. Postpartum hemorrhage and obstetric shock  | 1         | 2         |
| 7. Other complications of the third-stage of labor<br>1. Retained placenta<br>2. Acute uterine inversion  | 1         | 2         |
| 8. Acquired coagulation defects in obstetrics   | 1         | 2         |
| <b>Part (6) Normal puerperium</b>   | <b>1</b>  | <b>1</b>  |
| 1. Normal puerperium<br>2. Postnatal examination  | 1         | 1         |
| <b>Part (7) Abnormal puerperium</b>   | <b>2</b>  | <b>2</b>  |
| 1. Puerperal pyrexia<br>2. Puerperal sepsis<br>4. Breast disorders in the puerperium<br>5. Suppression of lactation   | 1         | 1         |
| <b>Part (8) The Fetus and Newborn baby</b>  | <b>10</b> | <b>12</b> |
| 1. Assessment of fetal growth, maturity and well being<br>2. Neonatal jaundice and Rh isoimmunisation   | 2         | 2         |
|   | 1         | 1         |

|   |           |           |
|---|-----------|-----------|
| 3. Placental insufficiency: fetal growth retardation and macrosomia   | 1         | 1         |
| 4. Intra-uterine Fetal death  |           |           |
| 5. Fetal asphyxia   | 1         | 1         |
| 6. Respiratory distress syndrome                                      | 1         | 1         |
| 7. Injuries of the newly born infants                                 | 1         | 2         |
| 8. Pre-term labor   | 1         | 2         |
| 9. Premature rupture of membranes                                     |           |           |
| 10. Post-maturity and post-maturity syndrome                          | 2         | 2         |
| 11. Congenital anomalies and Prenatal diagnosis of congenital defects |           |           |
| <b>Part (10) Operative obstetrics</b>                                 | <b>3</b>  | <b>6</b>  |
| a. Therapeutic abortion and induction of abortion                     | 1         | 2         |
| b. Induction of labor   |           |           |
| c. Forceps delivery in modern obstetrics                              | 1         | 2         |
| d. Vacuum extraction  |           |           |
| e. Episiotomy   | 1         | 2         |
| f. Cesarean section   |           |           |
| g. Destructive operations on the fetus                                |           |           |
| <b>Part (11) Appendages</b>   | <b>1</b>  | <b>1</b>  |
| 1. Uterine relaxants (Tocolytics)                                     | 1         | 1         |
| 2. Uterine stimulants (Ecboolics and oxytoxics)                       |           |           |
| 3. Maternal and perinatal mortality                                   |           |           |
| <b>Total(Obstetrics)</b>  | <b>60</b> | <b>90</b> |

## INTERNAL MEDICINE III

University: Menoufia

Faculty: Medicine

**A-Administrative information**

**Course Title:**

Internal medicine III

**Code: MMIP-INTM 508**

**Department offering the course**

:

**Internal MedicineDepartment**

**Program on which the course is given** : **MMIPAcademic**

**year/level:** Fifth year

**Semester:** 5B

**Taught hours:**

Lectures /tutorial: (3.5 credit hour) 53h

Practical: (2.5credit h) 75 h

Total: ( 128hrs - 6 credit hrs.)

### **Course Contents**

#### **Endocrinology & Metabolism (22 Hrs Theoretical; 18 Hrs Lectures+4 Hrs Tutorial)**

End.1: Hypothalamic pituitary disorders 1

End 2: Hypothalamic pituitary disorders 2

End 3: Hypothalamic pituitary disorders 3

End 4 : Diabetes inspidus

End 5 : Hypothyroidism

End 6 : Hyperthyroidism

End 7 : Hyperparathyroidism

End 8: Hypoparathyroidism

End 9: Def and classification of diabetes mellitus

End 10 : Complications of DM-1

End 11: complications of DM-2

End 12: Treatment of DM -1

End 13: Treatment of DM -2

End 14: Suprarenal gland1End 15: Suprarenal gland 2

End 16: Suprarenal gland 3

End 17:Reproductive endocrinology 1

End 18: Reproductive endocrinology 2

End 19: Obesity

End 20: Non diabetic endocrinal emergencies 1

End 21: Non diabetic endocrinal emergencies 2

End 22: Diabetic emergencies

**Nephrology Course (23 Hrs Theoretical; 19 Hrs Lectures+ 4 Hrs Tutorial)**

N1 Structure and function of the kidney

N2 Glomerulonephritis

N3 Proteinuria

N4 Hematuria

N5 CKD -1

N6 CKD -2

N7 Renal replacement therapy

N8 electrolyte imbalance -1

N9 electrolyte imbalance -2

N10 electrolyte imbalance -3

N11 Acid base balance -1

N12 Acid base balance -2

N13 Diabetic nephropathy

N14 Lupus nephritis

N15 PCKD

N16 HTN and CKD

N17 AKI

N18 Drugs and kidney

N19 TIN

N20 Nephrotic syndrome

N21 UTI

N22 acute GN

N23 chronic GN

**Emergency Medicine course (8 hrs theoretical; 6 hrs lectures+ 2 hrs tutorial)**

E1 sepsis

E2 Shock

E3 coma

E4 Hematological emergencies

E5 Immunological emergencies

E6 Nephrological emergencies

E7 Endocrinal Emergencies

E8 GIT Bleeding

**Clinical training Course**

**2.5 credit hour (75 practical hours)**

**2.5 credit in internal medicine department 1 credit hour Nephrology**

**1 credit hour Endocrinology**

**0.5 credit hour emergency**

**Clinical internal medicine training Course**

- History taking
- General Examination

\*\*Tutorials

**Nephrology case taking & Examination:**

- renal examination.

Patient with raised kidney function

- proteinuria and hematuria
- renal investigation interpretation

### **Endocrinology case taking & Examination:**

- Diabetes
- Cushing syndrome
- hyperthyroidism
- hypothyroidism
- hypopituitarism
- Acromegaly
- delayed puberty
- precocious puberty

### **Clinical course activities Clinical course activities**

**Presentation:** of 5 cases.

#### **Attendance and making a short report about:**

- 5 different cases from Outpatient Clinic
- 5 different cases from the Emergency Room (ER)
- 5 different cases from the Intensive Care Unit (ICU)

#### **Writing an essay**

About 10 pages on one common medical subject e.g., bleeding tendency, hemolytic anemia, purpura, lymphomas etc.....

#### **Attendance and making a short report about:**

- 5 different cases from Outpatient Clinic
- 5 different cases from the Emergency Room (ER)
- 5 different cases from the Intensive Care Unit (ICU)

# SURGERY III

University: Menoufia

Faculty: Medicine

## A-Administrative information

Course Title: Surgery III.

Code: MMIP –SURG 509.

Department offering the course: General Surgery  
Department –Urology Department.

Program(s) on which the course is given: MMIP.

Academic year/level: Fifth year

Semester: 5B

Credit hours:5 / Taught hrs: 120

Lecture: 2 credit hrs/ 30 Taught hrs.

Practical: 3 credit hrs/ 90 Taught hrs.

.Total: Credit

hours:5 / Taught hrs: 120.

## Course Contents

***\*Endocrine surgery (6 hrs theoretical (Lectures and tutorials), 12 hrsclinical):***

- Thyroid gland disorders.
- Parathyroid gland disorders.
- Adrenal gland disorders.

***\*Breast surgery (4 hrs theoretical (Lectures and tutorials), 8 hrsclinical)***

***\*UROLOGY (20 hrs theoretical (Lectures and tutorials),55 hrs clinical):***

- Anatomy & embryology
- Congenital anomalies ( kidney)
- Congenital anomalies (ureter+ bladder)
- Congenital anomalies(testis+ urethra)



- Symptomatology
- Investigations
- UTI
- Prostatitis & epididymo-orchitis
- Specific infection( TB + Bilharziasis)
- Genito-urinary trauma (renal +ureter)
- Genito-urinary trauma (bladder+ urethra+ testis)
- Stone disease
- Renal & suprarenal tumors
- BPH
- Inguinoscrotal swellings
- Male infertility & impotence
- Testicular tumors
- Bladder cancer
- Prostate cancer
- Oliguria &ARF
- CRF & renal transplantation
- Incontinence & nocturnal enuresis

### **CLINICAL ROUNDS:**

- History taking and clinical examination.
- Thyroid lesions including physiological, nodular, toxic, malignant, and its lesions.
- Breast lesions including; lumps, pain, nipple discharge.
- Axillary swellings.
- History taking and examination of urological cases.
- Clinical diagnosis of urological cases.

### **--LIST (1): LIST OF JARS:**

#### **1- Breast:**

- Breast cancer (modified radical mastectomy).
- Fibroadenoma

#### **2- Endocrine:**

- Solitary thyroid nodule.
- Multinodular goitre.

- Total thyroidectomy.
- Suprarenal adenoma.

### **3- Urology:**

- Hydronephrosis due to pelvi-ureteric junction (PUJ) obstruction.
- Hydroureter and hydronephrosis.
- Renal cell carcinoma (hypernephroma).
- Renal tuberculosis.
- Cancer of urinary bladder with back pressure effects (bilateral hydroureter).
- Polycystic kidney.
- Seminoma of the testis.
- Testicular tumors.

### **--LIST (2): LIST OF SURGICAL ANATOMY TOPICS:**

- The thyroid.
- The suprarenal gland.
- The breast.
- Axillary lymph nodes.
- The kidneys.
- The ureters and urinary bladder.

### **--LIST (3): LIST OF OPERATIVE PROCEDURES:**

- Thyroidectomy.
- Principles of management of hyperthyroidism.
- Principles of management of carcinoma of the thyroid gland.
- Acute lactational mastitis and breast abscess.
- Principles of management of carcinoma of the breast.
- Hernia operations.
- Surgical management of hydrocele.
- Varicocelelectomy.
- Management of a stone in the left kidney.
- Exposure of the ureter.
- Acute urinary tract infection: causes and treatment.
- Male circumcision.

### **--LIST (4): BEDSIDE SKILLS:**

- Insertion of urinary catheter.

# Pathology V

University: Menoufia

Faculty: Medicine

## A-Administrative information

Course title : Pathology V

Code No: MMIP- PATH 510

Department offering the course:  
which the course is given:

Pathology Programme(s) on  
MMIP Academic year: Fifth

year

Semester: 5B

Credit hours:

Lecture: 1 credit hours/ 15 taught hours

Practical: 0.5 credit

hour/ 15 taught hours

Total: 1.5 credit hours

## Course contents:

|                 | Topic                                      | Hours for lectures | Hours for clinical | Total no. of hours per semester / year |
|-----------------|--|--------------------|--------------------|--|
|                 | <b>Semester 5B<br/>[Special pathology]</b> | <b>15 h</b>        | <b>15 h</b>        | <b>30 hours</b>                        |
| <b>1st week</b> | Hemorrhage in pregnancy                    | 1 H                | 1H                 | 2 H                                    |
| <b>2nd week</b> | Obstetric genital infections               | 1 H                | 1H                 | 2 H                                    |
| <b>3rd week</b> | Interstitial nephritis                     | 1 H                | 1H                 | 2 H                                    |
| <b>4th week</b> | Acute and chronic glomerulonephritis       | 1 H                | 1H                 | 2 H                                    |
| <b>5th week</b> | Acute renal failure                        | 1 H                | 1H                 | 2 H                                    |

|                  |                       |     |    |     |
|------------------|-----------------------|-----|----|-----|
| <b>6th week</b>  | Chronic renal failure | 1 H | 1H | 2 H |
| <b>7th week</b>  | Endocrine system      | 1 H | 1H | 2 H |
| <b>8th week</b>  | Thyroid gland         | 1 H | 1H | 2 H |
| <b>9th week</b>  | Parathyroid gland     | 1 H | 1H | 2 H |
| <b>10th week</b> | Adrenal gland         | 1 H | 1H | 2 H |
| <b>11th week</b> | Breast                | 1 H | 1H | 2 H |
| <b>12th week</b> | Breast                | 1 H | 1H | 2 H |
| <b>13th week</b> | Male genital system   | 1 H | 1H | 2 H |
| <b>14 week</b>   | Male genital system   | 1 H | 1H | 2 H |
| <b>15 week</b>   | Prostate              | 1 H | 1H | 2 H |

## Pharmacology V

**University: Menoufia**

**Faculty: Medicine**

### A-Administrative Information

**Course title :** Pharmacology V

**Code No:** MMIP-PHAR 511

**Department offering the course:**

**Clinical Pharmacology**

Department

**Programme(s) on which the course is given:**

MMIP

**Academic year:** Fifth year

**Semester: 5B**

**Credit hours:**

**Lecture:**1 credit hours/ 15 taught hours

**Practical:**

0.5 credit hour/ 15taught hours. **Total: 1.5 credit hour**

**Course Contents:**

| Semester               | Code &Content           | Lecture | Practical |
|------------------------|-------------------------|---------|-----------|
| 5B<br>MMIP-PHAR<br>511 | Endocrine drugs         | 6       | 6         |
|                        | Renal                   | 3       | 3         |
|                        | Emergency drugs         | 3       | 3         |
|                        | Urinary tract infection | 3       | 3         |
|                        |                         | 15      | 15        |

**Detailed description of topics**

**1- Renal pharmacology:**

Diuretics, alteration of urinary pH.

**2- Endocrine drugs:**

Classification of hormones, anterior and posterior pituitary hormones , insulin and oral antidiabetic drugs , thyroxin and antithyroid drugs ,hormonal regulation of calcium homeostasis, corticosteroids.

**3- Emergency drugs**

**FAMILY MEDICINE IV**

**University: MenoufiaFaculty: Medicine**

**A-Administrative information**

**Course title:**

Family medicine **IV**

**Code: MMIP- FAML-512**

**Program on which the course is given:**

**MMIP Department offering the course:**

Family medicine **Academic year / Level: 5<sup>th</sup>**

year

**Semester: 5B**

**Credit hours: Lectures:** 0.5 credit hour (7.5 theoretical hours),

**Practical:** 0.5 credit hour (12 practical hours – 3 hours field

training ), **Total:** 1 credit hour (22.5 taught hours)

### **3- Course Contents:**

| No | Topic  | No of hours            |                    |                 | Total |
|----|--|------------------------|--------------------|-----------------|-------|
|    |  | Theoretical<br>30 hour | Practical          |                 |       |
|    |  |                        | Clinical<br>rounds | Field<br>visits |       |
| 1  | Antenatal care and role of family physician in High risk pregnancy | 2                      | 4                  | 2               | 8     |
| 2  | Post-natal care according to primary care guidelines               | 1                      | 2                  | 1               | 4     |
| 3  | Common Breast diseases presented in primary practice               | 2                      | 4                  | ---             | 6     |
| 4  | Common symptoms of urinary system disorders (dysuria-heamaturia)   | 1                      | 2                  | ----            | 3     |
| 5  | Urinary incontinence   | 1                      | ---                | ----            | 1     |
|    | Total  | 7                      | 12                 | 3               | 22    |