



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of Internal medicine**

**Course specifications**

**Internal Medicine for Physical  
Medicine, Rheumatology &  
Rehabilitation Master degrees**

**2013 - 2014**

**University: Tanta      Faculty: Medicine      Department: Internal medicine**

### **A- Administrative Information**

**1- Course title: Internal Medicine for Physical Medicine, Rheumatology & Rehabilitation Diploma & Master Degrees**

**2- Department offering the program: Physical Medicine, Rheumatology & Rehabilitation**

**3- Department responsible for the course: Internal medicine and Physical Medicine, Rheumatology & Rehabilitation**

**4- Course coordinator:**

**5- Course internal evaluators:**

**6- Course external evaluators:**

**7- Course code: PRR 8003**

**8- Level: 1<sup>st</sup> part**

**9- No. of Credit / taught hours:**

**theoretical: 2 & practical: 1 credit hour.**

**10- Authorization date of course specification: 18-9-2013**

### **B- Professional Information**

#### **1- Overall Course aims**

Our course aim to offer advanced knowledge and skills that allow candidate to practice internal medicine ethically and professionally, and gain positive attitude towards continuous medical education

#### **2 - Intended learning outcomes (ILOs):**

##### **A-knowledge and understanding:**

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

a.1- Describe the basic theories and principles of internal medicine specialty related to Physical Medicine, Rheumatology & Rehabilitation.

##### **B-Intellectual skills**

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

b.1- analyze, and Prioritize the medical problems

b.2- Solve common medical problems related to internal medicine specialty.

##### **C-Professional & practical skills**

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

c.1-Apply professional medical skills in internal medicine specialty regarding clinical examination, diagnosis, and management

**d-General transferable skills**

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

- d.1- Apply self evaluation and specify his medical educational needs.
- d.2-Use different learning resources to get knowledge and information.
- d.3- Mange time and practice team working
- d.4-lead a team in specified professional job.
- d.5- Perform continuous medical education

**3-Course contents**

Theoretical lectures:2 hour / week      practical study: 2 hours weekly

Topics	No. of hours	
	lecture	Clinical
Cardiovascular disorders	5	6
Respiratory disorders	3	2
GIT& hepatology disorders	2	2
Hematology disorders	3	3
Rheumatology disorders	5	5
Endocrinology , nutritional , Mineral & metabolic disorders	6	6
Neurological disorders	6	6
	30	30

**A-Topics**

**I.Endocrinal & metabolic diseases:**

- 1-Pituitary gland
- 2-thyroid gland
- 3-DM
- 4-Obesity & Dyslipidemia

**II.Cardiovascular diseases:**

- 1-HTN
- 2-Heart Failure
- 3-Coronary artery disease

**III.Rheumatology**

- 1. APPROACH TO THE PATIENT WITH RHEUMATIC DISEASE
- 2. LABORATORY TESTING IN THE RHEUMATIC DISEASES
- 3. RHEUMATOID ARTHRITIS
- 4. THE SPONDYLOARTHROPATHIES
- 5. SYSTEMIC LUPUS ERYTHEMATOSUS
- 6. SCLERODERMA (SYSTEMIC SCLEROSIS)
- 7. ANTIPHOSPHOLIPID SYNDROME
- 8. THE SYSTEMIC VASCULITIDES
- 9. Behçet's DISEASE

**IV. Respiratory diseases:**

- 1-COPD
- 2-Bronchogenic carcinoma

**V. Haematological diseases:**

- 1- Anemia
- 2- bleeding disorders
- 3-coagulation disorders

**VI- Gastroenterology:**

Liver diseases

**VII. Neurological diseases:**

- 1-Neuropathy
- 2-Involuntary movement
- 3-Hemiplegia
- 4-Paraplegia

**B- CLINICAL CASES**

**I-CARDIOVASCULAR**

1. IHD
2. Congestive heart failure
3. Hypertension

**II-RESPIRATORY**

1. Obstructive lung disease - chronic bronchitis, emphysema
2. Bronchogenic carcinoma

**III-GIT& Hepatology disorders**

1. Cirrhosis
2. Ascites
3. G.I. bleeding
4. Jaundice

**IV-HEMATOLOGY**

1. Anemia
2. Clotting disorders
3. Bleeding disorders

**V-RHEUMATOLOGY**

1. Systemic lupus erythematosus
2. Rheumatoid arthritis
3. Vasculitis
4. Scleroderma
- 5- SPONDYLOARTHROPATHIES

**VI-ENDOCRINOLOGY**

1. Acromegaly
2. Diabetes
3. Hyper/hypothyroidism
4. Obesity

**IX-NEUROLOGY**

1. Cerebrovascular disease - stroke syndromes
3. Peripheral neuropathy.
4. Myopathy
- 5- Ataxias

**C- SKILLS**

1. Interpretation of laboratory medicine tests.
2. Electrocardiography interpretation.
3. Radiology: Plain X-ray, contrast radiology, ultrasound, CT, MRI & nuclear medicine

**4-Teaching and learning methods**

1. Illustrated lectures: Large group plenary sessions in lecture theaters are time tabled; they set the scene for a topic, highlight important issues and arouse curiosity in relevant areas.
2. Clinical rounds: Tutors demonstrate the core practical clinical skills and students practice.
3. Problem based learning: to study written descriptions of clinical situations & Interpretation of laboratory medicine tests.
4. Assignment : Each student completes a review on a selected topic and delivered in a known dead time.
5. Attendance with guidance.
6. Illustration of internal medicine objectives using data show and movies.

**5-Student Assessment**

Log book

Assessment	notes	date
1 Final written exam	One paper(assay and short notes)	October - April
2 Oral exam	one sessions, one examiner	October - April
3 Practical exam	One clinical case, one examiner	October - April

**6- Weighing of assessments**

- MCQ exam will be done at the end 2<sup>nd</sup> semester (at the end of 15 week)

Final examination	45Marks
Oral examination	15 Marks
Practical/laboratory work	15 Marks
Total	75 Marks

List any formative only assessment: Log book (for fulfillment to present for exam)

## **7- List of references**

### 7.1 Course notes

- Handout of lectures.
- National books approved by the internal medicine council

### 7.2 Text books

- Cecil textbook of medicine

### 7.3 Recommended books

- Davidson's principles and practice of medicine
- Clinical medicine Kummar & Clark
- 1000 MCQs for Davidson's principles and practice of medicine
- MCQs for clinical medicine Kummar and Clark
- Hutchison's clinical methods
- Clinical examination, Macleod, Munro
- A guide to physical examination, Barbara Bates

### 7.4 Periodicals and web sites

E-medicine & pubmed websites

### 7.5 The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE)

## **8-Other resources/ facilities required for teaching and learning to achieve the above ILOs**

- Rooms for small group teaching.
- Black and white board.
- Audiovisual aid (data shows, overhead, laptops and slide projectors).
- Faculty library.
- Electronic library

## **9-we certify that all of the information required to deliver this course is contained in the above specifications and will be implemented**

***Course specifications: Internal Medicine for Physical Medicine, Rheumatology & Rehabilitation Master degrees, 2013-2014***

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Course coordinator and head of department  
name.....signature.....Date.....

Head of quality assurance unit:  
name.....signature.....Date.....



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

**Department of Physical medicine,  
Rheumatology and Rehabilitation department**

**Course Specifications**

**Neurosurgery and orthopedic for  
Physical Medicine, Rheumatology &  
Rehabilitation Master degree**

**2015-2016**



*Course specifications: Internal Medicine for Physical Medicine, Rheumatology & Rehabilitation Master degrees, 2013-2014*

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Neurosurgery and orthopedic for Physical Medicine, Rheumatology & Rehabilitation Master degree Course specifications

University: Tanta Faculty: Medicine Department: Physical Medicine, Rheumatology & Rehabilitation

**A- Administrative Information**

**1- Course title: Neurosurgery and orthopedic for Physical Medicine, Rheumatology & Rehabilitation Master degree**

**2- Department offering the program: Physical Medicine and Rehabilitation Department**

**3- Department responsible for the course: Physical Medicine and Rehabilitation Department, Faculty of medicine.**

**4- Course code: PRR 8004**

**- Level: First Part: of Total 30 %**

**6- No. of Credit / taught hours:**

**Theoretical: 2 & practical: 1 credit hour**

**7- Authorization date of course specification: 8-11-2015**

**B- Professional Information**

**1 – Overall course aims**

**Our Course aims to:**

To provide a core scientific knowledge concerning the understanding, preparing and managing different surgical conditions related to Physical Medicine and Rehabilitation safely.

To train and graduate competent specialist in Physical Medicine and Rehabilitation with good knowledge about the general surgery topics in relation to his specialty practice.

To provide an educational environment that promotes the standard delivery of general health care.

**2 – Intended learning outcomes (ILOs):**

**a. Knowledge and understanding:**

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

a1 – Have a sound knowledge in the principles of neurosurgery in relation to trauma or Physical Medicine and Rehabilitation.

a2 - Formulate a reasonable and comprehensive differential diagnosis and recognized common disorders between neurosurgery and Physical Medicine and Rehabilitation.

a3 - Teach and share knowledge with colleagues, Residents, Students, and other health care providers.

**b. Intellectual skills:**

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

b1- Recognizes emergency situations and manage them effectively. Select relevant investigations logically and conservatively, and interpreting their results accurately.

**c. Professional and practical skills:**

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

c1-) Perform many diagnostic and therapeutic procedures , especially those used in the management of emergencies and trauma and Perform good joint examination.

c2- Communicate well with patients, their relatives and colleagues.

***Course specifications: Internal Medicine for Physical Medicine, Rheumatology & Rehabilitation Master degrees, 2013-2014***

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c3- Educate and update himself and others in the field.

**d. General and transferable skills:**

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

d1- Possess high ethical and moral standards.

d2 – Apply self education and specify his educational needs.

d3 – Practice team working and lead teams in specialized professional jobs.

**3 – Course content:**

Will be annexed

**4-Teaching and learning methods**

- Lectures
- Seminars
- Workshops
- Bedside teaching
- assignments
- conference participation and attendance
- observation

**5-Student Assessment**

.Log Book and MCQ at the end of semester + as a part of the final exam of first part

**6- Weighing of assessments**

- MCQ exam will be done at the end 2<sup>nd</sup> semester (at the end of 15 week)

Method of Assessment	Degree
Final term examination	45
Oral examination	15
Practical/laboratory work	15
Total	75

**7- List of references**

- 1) Kasar AlAini Textbook of Surgery, 2008
- 2) Baily and Love's Short Practice of Surgery, 2008
- 3) Manual of Trauma and emergency Surgery, 2000

**8-Other resources/ facilities required for teaching and learning to achieve the above ILOs**

None

**9-We certify that all of the information required to deliver this Course is contained in the above specifications and will be implemented**

*Course specifications: Internal Medicine for Physical Medicine, Rheumatology & Rehabilitation Master degrees, 2013-2014*

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Course coordinator and head of department  
name.....signature.....Date.....

Head of quality assurance unit:  
name.....signature.....Date.....

The annex :

Orthopedic and neurosurgery :

Clinical examination of locomotor system

- General
- Regional (neck,back, hip, knee, ankle, shoulder, elbow and hand)
- Deformities (congenital and acquired)
- Bursitis, tenosynovitis and tenovaginitis

Regional pain:

- neck, back pain ( Spinabifida, Coccydynia
- hip pain (Congenital hip dislocation, avascular necrosis, perthes diseases, slipped femoral epiphysis, coxa vara and coxa valgus)
- knee pain (Traumatic lesion of knee mm, lm, acl)
- ankle pain (foot deformities)
- shoulder pain
- elbow pain (Cubitus valgus , varus, Olecranon bursitis and Volkman ischemic contracture )
- wrist and hand pain (Duyputren contracture, De quervans t synovitis

Nerve injury:

- Brachial plexus
- Lumbosacral plexus
- Peripheral nerve
- Median,ulnar, radial , common peroneal post tibial and sciatic nerve
- Radiculopathy

Torticollis,scalene syndrome

Scoliosis,kyphosis,

Sudeks atrophy

Bone infection (osteomyelitis , TB)

Bone tumour multiple myeloma

Osteochondritis( juvenile, dissicans)

Rickets, osteomalacia, paget disease

Arthritis