



Quality Assurance Unit



Tanta University  
Faculty of Medicine

**Department of Physical Medicine, Rheumatology &  
Rehabilitation**

**Course Specifications**

**Rehabilitation for Physical  
Medicine, Rheumatology &  
Rehabilitation, Doctorate degree**

**2015-2016**

Rehabilitation for Physical Medicine, Rheumatology & rehabilitation Doctorate Degree Course Specifications

*University: Tanta*

*Faculty: Medicine*

*Department: Physical Medicine*

*program: Doctorate degree*

### **A- Administrative Information**

**1- Course title: Doctorate degree of Physical Medicine, Rheumatology & rehabilitation**

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

**3- Department responsible for the course: Physical Medicine, Rheumatology & rehabilitation**

**4- Course code: PRR 9007 rehab-med**

**5- Level: second part/ semester F**

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

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

### **B- Professional Information**

#### **1 – Overall Course aims**

By end of the course, graduate should be able to

1. Deeply oriented with the current medical problems, and up to date hypothesis in rehabilitation.
2. Understand the fundamental information and general principles underlying the examination, treatment and rehabilitation of neurological and other diseases.
3. Perfect large scale of professional skills in rehabilitation.
4. Adopt positive attitude towards the development of new modalities and methods of professional practice in rehabilitation.

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

##### **a- knowledge and understanding:**

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

- a.1-Discuss the theories and principles, and up dates in advanced Rehabilitation and related sciences needed in his career
- a.2-Define the principles, methods, ethics, and various tools of advanced medical researches.
- a.3- Describe the ethical and legal principles of advanced medical and professional practice
- a.4- Describe basic & advanced principles of rehabilitation medicine, impairments, disability and handicapping
- a.5-Identify basics & advanced of health and patient's safety and safety procedures during practice.
- a.6- -Identify the principles & advanced of quality assurance in medical practice
- a.7- -Identify the effect of medical practice on surrounding environment ,and how to develop and protect environment

a.9- Discuss advanced knowledge and productivity in rehabilitation science

**b- intellectual skills**

By the end of the course, graduates should be able to:

- b.1- Demonstrate basic science of anatomy and physiology of connective tissue, bone, joint and muscle with clinical care of patients.
- b.2- Plan to develop progress in physical medicine and design rehabilitation program in patients with neurological, orthopedic and other medical disorders.
- b.3- Choose rehabilitation program of exercise-related illness(sport).

**c. Professional and practical skills:**

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

- c.1-Examine patients, to include a specific advanced examination of structure and function of all joints, both axial and peripheral, as well as particular structure and muscle units.
- c.2- Assess bone and joint advanced imaging techniques
- c.3- Evaluate a professional & advanced medical report related to rehabilitation
- c.4- Evaluate and synthesize advanced research in rehabilitation science.
- c.5-Plan advanced research methods relevant to rehabilitation science.

**d. General and transferable skills:**

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

- d.1-Communicate effectively with his colleagues and patients
- d.2- teach others and evaluate them.
- d.3- Apply self evaluation and specify his advanced medical educational needs , and Perform continuous medical education.
- d.4-use different learning resources to get advanced knowledge and information.
- d.5- practice team working ,and lead a team in specified professional job.
- d.6- Manage scientific seminars , with good time management and develop their communicative abilities within the various formats of presentations.
- d.7-Share in preparing a grant application in rehabilitation
- d.8-Design and deliver scholarly presentations and facilitate effective discussions

**3-Course contents**

Topics	No. of credit hours	
	theoretical	practical
Rehabilitation	4	2

**Detailed contents of course topics: it will be annexed**

**I. Rehabilitation:**

**4-Teaching and learning methods**

- **Illustrated lectures:** to discuss theoretical topics (a.1,2,3,4)

- **Clinical training;** to develop the intellectual skills& professional and practical skills(b.1,2,3,c.1,2,3)
- **Seminars and meetings:** to use the sources of rheumatic and rehabilitation information to remain current with their advances (c.4,5,6,7,8,9,d.7,9)

### 5-Student Assessment

5.1. MCQ: to assess ( a.1, a.4 a.6,b.1, b.1, b.3, b.4) at the end of the semester + as a part of the exam of second part

5.2. log book: to assess...(a.2,3,5,7,8,9,b.5,6,7, c.5,6,7,8,9,d.1,2,3,4,6,8)

### 6- Assessment schedule

According to faculty rules of post graduate, exam will be done in the 15 th week of each semester+ as a part of the final exam of second part

Assessment	date
1-MCQ : at the end of the semester	

### 7- Weighing of assessments

**MCQ examination** C 65-70%

### 8- List of references

8.1 Course notes

8.2 Text book:

\*Krusen of Physical medicine and rehabilitation

\* Merret's of Neurology

8.3 Recommended books:

\*Essentials of Physical Medicine and Rehabilitation

8.4 Periodicals and web sites:

-Archives of physical medicine & rehabilitation

-Muscle & Nerve

-www.emedicine.com

- www.eulc.edu.eg

-www.medscap.com

- www.pubmed.com

-www. Science direct. Com

- www.Wiley Blackwell.com

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

## The annex

### I. Rehabilitation:

- v Evaluation of the patient
- v Measurement of musculoskeletal function
- v Gait analysis
- v Rehabilitation of musculoskeletal dysfunction
- v Rehabilitation of cardiovascular dysfunction
- v Rehabilitation of respiratory dysfunction
- v Rehabilitation of orthopedic problems
- v Geriatric rehabilitation
- v Vocational rehabilitation
- v Rehabilitation of neurological diseases:
  - The cranial nerve lesion                      Cerebrovascular lesions
  - Cauda Equina
  - Peripheral neuritis                              Myopathies
  - Spondylosis                                      Sciatica
  - Motor neuron disease                      Ataxia
  - Extrapyramidal syndromes                      Demylinating diseases
  - Spinal cord injury rehabilitation
- V Rehabilitation of amputee
- V rehabilitation after joint replacement
- V Occupational rehabilitation
- V Rehabilitation of communicational disorders
- V cancer rehabilitation
- V Vestibular rehabilitation

We verify that the above report and the analysis of students and external evaluator opinions are accurate.

Course coordinator and head of department

Name.....

Signature..... Date.....

Head of quality assurance unit:

Name.....

Signature..... Date.....