



**Quality Assurance Unit**



**Tanta University  
Faculty of Medicine**

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

**Program Specifications**

**Physical Medicine, Rheumatology & Rehabilitation  
Master degree**

**2015-2016**

Physical Medicine, Rheumatology & Rehabilitation Program Specifications  
**University: Tanta Faculty: Medicine Department: Physical Medicine**

### **1- Basic information**

**1-Program title: Master of Physical Medicine, Rheumatology & Rehabilitation.**

**2-Program Code: PRR 800**

**3- Program coordinator: Dr. Radwa Mostafa Elkhoully**

**4-program internal evaluators: Prof. Dr. Mohamed Ezz-Eldin Mowafy**

**5-program external evaluators: Prof. Dr. atef ibrahem El-Khawet Faculty of Medicine Mansoura university**

**6-Date of approval: 8/11/2015**

**7-Departments offering the courses of the program: Internal Medicine, orthopedic and neurosurgery, Anatomy and Physiology faculty of Medicine. Physical Medicine, Rheumatology & Rehabilitation Faculty of medicine . Tanta University**

### **2- Professional information**

#### **1 – Overall program aims:**

The goals of this program is making candidate qualified as a searcher and specialist in the field of Rheumatology and Rehabilitation to make a proper diagnosis of different rheumatology disorders and rehabilitation problems on the basis of adequate history, physical examination and interpretation of supportive investigation, perceive and integrate progress in rheumatology and rehabilitation and maintain and improve his standards of knowledge and self education.

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

##### **a- Knowledge and understanding:**

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

- a.1- Describe the theories and principles, and up dates in rheumatology and rehabilitation and related sciences needed in his career
- a.2- Define the principles, methods, ethics, and various tools of medical researches.
- a.3- Describe the ethical and legal principles of medical and professional practice
- a.4- Discuss basic principles of rehabilitation medicine, impairments, disability and handicapping
- a.5- Identify basics of health and patient's safety and safety procedures during practice.
- a.6- Identify proper patient care and patient's rights to obtain the optimum health care & effective treatment of rheumatic diseases.
- a.7- Identify the principles of quality assurance in medical practice.
- a.8- Identify the effect of medical practice on surrounding environment ,and how to develop and protect environment.
- a.9- Demonstrate knowledge and productivity in rehabilitation science.

##### **b- Intellectual skills**

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

- b.1- Integrate basic science of anatomy, immunology and physiology of connective tissue, bone, joint and muscle with clinical care of patients with rheumatic disorders.
- b.2- propose the methodology on the scientific basis, predict indications and interpret laboratory tests and imaging procedures used in diagnosis, management and research of rheumatic diseases.
- b.3- Recognize pharmacology, pharmacokinetics, including drug metabolism, adverse effects, and interactions.
- b.4- Interpret electromyography and nerve conduction studies.
- b.5- select the proper rehabilitation program in patients with rheumatic, neurological, orthopedic and other medical disorders.
- b.6- Choose rehabilitation program of exercise-related illness(sport).
- b.7- Recognize indications, describe, prescribe and evaluate orthoses and prostheses of different parts of the body.

### **c- Professional & practical skills**

By the end of the program, students should be able to:

- c.1- Examine patients, to include a specific examination of structure and function of all joints, both axial and peripheral, as well as particular structure and muscle units.
- c.2- Interpret bone and joint imaging techniques with proper interpretation of its report.
- c.3- Interpret bone density measurement.
- c.4- Apply the Usage of nonsteroidal anti-inflammatory drugs, disease modifying drugs, and biological agents, glucocorticoids, cytotoxic drugs, antihyperuricemic drugs and antibiotic therapy and other tools.

### **d- General and transferable skills**

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

- d.1- Communicate effectively with his colleagues and patients.
- d.2- Perfect basics of information technology using skills which serve his career development.
- d.3- Apply self evaluation and specify his medical educational needs.
- d.4- Use different learning resources to get knowledge and information.
- d.5- Design parameters to evaluate others performance.
- d.6- Practice team working, and lead teams in specified professional jobs.
- d.7- Manage time perfectly.
- d.8- Perform continuous medical education.

### **3- Academic standards adopted:**

Medical academic standards for master degree adopted by the faculty council in 24/5/2010 and offered by The Egyptian Authority for Quality Assurance and Accreditation for Education (NAQAAE) for post graduate 2009 was adopted.

\* External references for standards:

- In Rheumatology medicine: Manchester faculty of medicine.

<http://www.medicine.manchester.ac.uk/postgraduate/taught/clinrheumatology/>

Contact email: Lisa.McClair@manchester.ac.uk

- In Rehabilitation medicine: University of Cincinnati Academic Health Center.

<http://www.med.uc.edu/pmr/residents/curriculum.asp>

#### 4 – Curriculum structure and content:

4-a- Program duration: 24 months

4-b- Program structures:

	Credits hours				Credits hours
	theoretical	practical	selective	scientific	
First part	8	4	4	2	18
Second part	16	8	8	4	36
Thesis					12

#### 5-Courses included in the program:

5.1 Courses titles in first part

5.1.a-compulsory

	Code	Course Title	No. Of Hours /Week		Total hours / course	Remarks	Program ILOs Covered
			theoretical	Practical			
Semester A	PRR 8001 physio anat	Physiology & Anatomy	30	30	3		a.1,b.1,2, d.1 a.1,b.1,2
Semester A	PRR 8002 physi	Physics	30	30	3		a.1,b.1,3, c.1, d.2
Semester B	PRR 8003 Int-med	Internal Medicine	30	30	3		a.1,b.1,3, c.1, d.2
Semester B	PRR 8004 surg	NeuroSurgery/ ortho pedic	30	30	3		a.1,b.1,2, c.1, d.1

Elective courses: 4 credit hours

Scientific courses: 2 credit hours

5.2 Courses titles in second part

	Code	Course Title	No. Of taught Hours		Total credit hours / course	Remarks	Program ILOs Covered
			theoretical	Practical			
Semester C	PRR 8005 rheum-1	Rheumatology & Rehabilitation of rheumatic diseases	60	60	6		a.1,2,3,4,5,6,7 b.1,2,3,5 c.1,2,3,4 d.2,3,4,5,6,7,8,
Semester D	PRR 8006 rheum-2	Rheumatology & Rehabilitation of rheumatic diseases	60	60	6		a.1,2,3,4,5,6,7 b.1,2,3,5 c.1,2,3,4 d.2,3,4,5,6,7,8,
Semester E	PRR 8007 phys-med	Rehabilitation & Electrodiagnosis	60	60	6		a.1,3,4,8 b.2,4,5,6,7 c.1,2,3 d.1,2,3,4,5,6,7,8 ,
Semester F	PRR 8008 phys-med	Physical medicine & Orthotics & Prostheses	60	60	6		a.1,3,4,8 b.2,4,5,6,7 c.1,2,3 d.1,2,3,4,5,6,7,8 ,
		THESIS			12		a.1,2,6,8 b.2,3,4,5 c.1,2,3,4 d.1,2,3,4,5,7,8

Training course: electrodiagnosis training courses will be included in the

logbook

Elective courses: 8 credit hours

Scientific courses: 4 credit hours

- Credit / taught hours (total of the program) : Total 66 credit h.

	ILOs																																	
	a								b								c								d									
	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	1	2	3	4	1	2	3	4	5	6	7	8							
Physiology	*							*	*																		*							
Anatomy	*							*	*																									
neuroSurgery & Orthopedic	*							*	*								*										*							
Internal medicine	*							*	*								*										*							
Physics	*							*		*							*										*							
Physical medicine	*		*	*	*		*		*		*	*	*	*	*	*	*				*	*	*	*	*	*	*	*	*	*	*	*	*	*
Rheumatology & Rehabilitation	*	*	*	*	*	*	*	*	*	*		*			*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*
Thesis	*	*				*	*		*	*	*	*			*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

## 6. Program admission requirements:

4-1-program duration: 3 years (36 months)/66 CREDIT

4-2-program structure:

1<sup>st</sup> part: (through the first 8 months after registering to the degree, for 18 credit hours and accounts for 30% of marks, its passage is a must for admission to second part)

شروط الإلتحاق والحصول على الدرجة العلمية

لدرجة الماجستير

- 1- أن يكون حاصلًا على بكالوريوس الطب والجراحة من إحدى الجامعات الحكومية المصرية أو على درجة معادلة بها من المجلس الأعلى للجامعات.
- 2- أن يكون قد أمضى عام للتدريب في التخصص بإحدى مستشفيات وزارة الصحة العامة أو التعليمية أو المراكز الطبية، ويعفى من ذلك الأطباء المقيمين بمستشفيات طنطا الجامعية بعد قضاء سنة الإمتياز.
- 3- أن يتفرغ للدراسة لمدة سنة على الأقل (في الجزء الثاني)
- 4- يتم القيد في شهر أبريل وأكتوبر من كل عام ويجوز لمجلس الكلية تغيير الموعد طبقًا للظروف
- 5- يسمح بالتقدم لإمتحان الجزء الأول بعد مضي 6 شهور من تاريخ القيد ولا تبدأ الدراسة بالقسم الثاني إلا بعد النجاح في القسم الأول.
- 6- يتم قبول الدارسين بعد موافقة مجلس القسم ولجنة الدراسات طبقًا للقواعد المنظمة لذلك.



