



# 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 Elkhouly

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 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			
	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	No. Of Hou	rs /Week	Total	Remar	Program
		Title	theoretic al	Practic al	hours / course	ks	ILOs Covered
Semester A	PRR 8001 physio	Physiolo gy	30	30	3		a.1,b.1,2, d.1
	anat	& Anatomy					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	NeuroSu rgery/ orthope dic	30	30	3		a.1,b.1,2, c.1, d.1

Elective courses: 4 credit hours Scientific courses: 2 credit hours

J.Z COU		s in second p		1	m . 1 1.	D						
	Code	Course	No. Of taug		Total credit	Rema	Program ILOs					
		Title	theoretic	Practica	hours /	rks	Covered					
Semes ter C	PRR 8005 rheu m-1	Rheumat ology & Rehabilit ation of rheumati c diseases	al 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,					
Semes ter D	PRR 8006 rheu m-2	Rheumat ology & Rehabilit ation of rheumati c 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,					
Semes ter E	PRR 8007 phys- med	Rehabilit ation & Electrodi agnosis	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					
Semes ter F	PRR 8008 phys- med	Physical medicine & Orthotics & Prosthese s	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					

# 5.2 Courses titles in second part

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.

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	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	*								*	*																	
neuroSurge ry& Orthopedic	*								*	*						*				*							
Internal medicine	*								*	*						*				*							
Physics	*								*		*					*					*						
Physical medicine	*		*	*	*			*		*		*	*	*	*	*	*	*		*	*	*	*	*	*	*	*
Rheumatolo gy & Rehabilitati on	*	*	*	*	*	*	*		*	*	*		*			*	*	*	*		*	*	*	*	*	*	*
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 حاصلا 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 التعلمية أو المراكز الطبية، ويعفى من ذلك الأطباء المقميين بمشتشفيات 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 تغير الموعد طبقا للظروف

5- يسمح بالتقدم لإمتحان الجزء الأول بعد مضى 6شهور من تاريخ القيد ولا تبدأ الدراسة بالقسم الثاني إلا بعد النجاح في القسم الأول.

6- يتم قبول الدارسين بعد موافقة مجلس القسم ولحنة الدراسات طبقا للقواعد المنظمة لذلك.

#### 7. Regulation for progression and program completion

Registration, progress requirements , and schedule of written exams are provided by the faculty post graduate bylaws provided to all students through post graduate guide book

## 8- Program assessment and evaluation:

		نحانات	الإمنا						الناهج											
مجموع الدرجات	اكلينيكى	شفوری	عملی	تحريرى	عدد الاوراق	ائنقاط المعتمدة	الساحات المعتمدة	الكود	المقرر الدر اسی											
75		30		45	1	9	3	PRR 8001	<ol> <li>مقرر علمى وعملى فى النشريح الطبيقى و مقرر علمى فى الفسيولوجيا التطبيقية فيما بخص الجهاز الحركى</li> </ol>	الجزء الأول										
75		30		45	1	9	3	PRR 8002	2. مقرر علمى وعملى فى الطبيعة التُطبيقية فيما بِنَّص الجهاز الحركى والثورة الدموية.											
75	15	15		45	1	9	3	PRR 8003	<ol> <li>مقرر علمي واكلينيكي في الأمراض الباطنة فيما بنص الجهاز الحركي والهناعي.</li> </ol>											
75	15	15		45	1	9	3	PRR 8004	4. مقرر علمي واكلينيكي في جراحة الأعصاب وجراحة العظام.											
						12	4		مقررات اختيارية.											
						4	2		أنشطة عامية.											
						24	12			الرسالة										
900	45	75	60	270	1	18	6	PRR 8005	<ol> <li>مقرران علميان وعمليان واكلينيكيان في الأمراض الرومانيزمية</li> </ol>	الجزء										
						18	6	PRR 8006	وأمراض الجهاز الحركي وامراض المناعة	الثانئ										
	45	75	60	270	1	18	6	PRR 8007	<ol> <li>مقرر علميان وعمليان والكلينيكيان في الطب الطبيعي وفروعه</li> </ol>											
						18	6	PRR 8008	والثاهيل وفي التشخيص الكهر وفسبولوجي											
						24	8		مقررات اختبارية.											
						8	4		أنشطة عامية.											
1200	120	240	120	720		180	66			المجموع										

Program external evaluator: Prof. Dr. atef ibrahem El-Khawet Faculty of Medicine

Mansoura university

Program Internal evaluator: Prof. Dr. Mohamed Ezz-Eldin Mowafy

- Reports of external and internal evaluators
- Questioners to students and stake holders
- Reports of faculty internal auditing system

Will be included in the annual program report, and action plan will be structured accordingly.

#### 9-Appendix courses specifications

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

#### Matching of ARS and program ILOS

							Ма	atcl	nin	g of	fAI	RS a	ınd	pr	ogr	am	l IL	<b>0S</b>									
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Progra		2		*																							
ra		3	*																								

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Course coordinator and head of department
Name
Signature Date
Head of quality assurance unit:
Name
Signature Date