



Quality Assurance Unit



Tanta University
Faculty of Medicine

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

Program Specifications

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

2015-2016

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

A- Basic information

1-Program title: Doctorate degree in Physical medicine, Rheumatology & Rehabilitation.

2-Program Code: PRR 900

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

4-program internal evaluators: Prof. Dr. Safeya El-Sayed Eid

5-program external evaluators: Prof. Dr. seif el deen ali farag Faculty of Medicine Mansoura university.

6-Date of approval: 8/11/2015

7-Departments offering the courses of the program: Physical Medicine, Rheumatology & Rehabilitation faculty of Medicine. Tanta University

B_ professional information

1 – Overall program aims

By end of the program candidate should be able to

- Deeply oriented with the current medical problems, and up to date hypothesis in rheumatology and rehabilitation.
- Understand the fundamental information and general principles underlying the examination, treatment and rehabilitation of different rheumatic and neurological diseases.
- Perfect large scale of professional skills in rheumatology and rehabilitation.
- Adopt positive attitude towards the development of new modalities and methods of professional practice in rheumatology and rehabilitation.
- Perfect the bases and methods of medical researches and enrich his specialty through original medical researches.

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 advanced rheumatology and 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 proper patient care and patient's rights to obtain the optimum health care & effective treatment of rheumatic diseases.

- a.7- Identify the principles & **advanced** 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 advanced knowledge and productivity in rehabilitation science.

b-Intellectual skills

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

- b.1- Integrate basic science of anatomy, pathology, immunology and physiology of connective tissue, bone, joint and muscle with clinical care of patients with rheumatic disorders.
- b.2- Explain the scientific basis of the methodology, list indications and interpret laboratory tests and imaging procedures used in diagnosis and management of rheumatic diseases.
- b.3- Understand pharmacology, pharmacokinetics, including drug metabolism, adverse effects, and interactions.
- b.4- Interpreting 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- Analyze indications, describe, prescribe and evaluate orthoses and prostheses of different parts of the body.
- b.8- Organize medical research paper.

c. Professional and practical skills :

By the end of the program the candidate will 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-Perform diagnostic aspiration and analysis of synovial fluid.
- c.3- Perform therapeutic injection of diarthroidal joints, bursa, tenosynovial structures and enthuses.
- c.4- Diagnoses and differentiate diseases through interpretation of bone and joint imaging techniques.
- c.5- Perform and Interpret bone density measurement.
- c.6- Apply the Usage of nonsteroidal anti-inflammatory drugs, disease modifying drugs, and biological agents, glucocorticoids, cytotoxic drugs, antihyperuricemic drugs and antibiotic therapy.
- c.7- Write and evaluate a professional medical report related to rheumatology and rehabilitation.
- c.8- Evaluate and synthesize research in rehabilitation science.
- c.9- Perform medical research to add new to rheumatology and rehabilitation.

d. General and transferable skills:

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

- d.1-Communicate effectively with his colleagues and patients

Semester	PRR 9001, 9002 Anat physi	Anatomy & physiology	60	60	6	15 th week	a.2,b.8,d.2,5
Semester	PRR 9003 Immu n 2	Immunology	60	60	6	15 th week	b.8,c7,9,d.5,7

Elective courses: 4 credit hours

Scientific courses: 2 credit hours

5.1a. Compulsory courses titles in second part

	Code	Course Title	No. Of Taught Hours		Total credit hours / course	Program duration	Program ILOs Covered
			Theoretical	Practical			
Semester C	PRR 9004 Rheum -	Rheumatology & Rehabilitation of rheumatic & diseases	60	60	6		a1,,4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6,7,8,9 d.2,3,4,8,9
Semester D	PRR 9005 Rheum -	Rheumatology & Rehabilitation of rheumatic & diseases	60	60	6		a1,,4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6,7,8,9 d.2,3,4,8,9
Semester E	PRR 9006 Rheum -	Rheumatology & Rehabilitation of rheumatic & diseases	60	60	6		a1,,4,5,6,7,9 b.3,5,6 c.1,2,3,4,5,6,7,8,9 d.2,3,4,8,9
Semester F	PRR 9007 phys-med	Rehabilitation	60	60	6		a.1,3,4,5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9
Semester G	PRR 9008 phys-med	Electrodiagnosis	60	60	6		a.1,3,4,5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9

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Semester H	PRR 9009 phys-med	Orthotics & Prosthesis	60	60	6		a.1,3,4,5,6,8,9 b.2,4,5,6,7 c.1,2,3,8,9 d.1,2,4,6,8,9
		Thesis			16		a.2,b.8,9,c.8,9,d.5,9

Elective courses: 12 credit hours

Scientific courses: 6 credit hours

- Credit / taught hours (total of the program) : **Total 88 credit h.**

ILOS																																			
	A									B								C									D								
	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	9	1	2	3	4	5	6	7	8	9
Physiology	*									*																	*								
Anatomy	*									*																	*								
Immunology																																			
Physical medicine, Rheumatology & Rehabilitation	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	

6. Program admission requirements:

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

7. Regulation for progression and program completion

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

Program coordinator and head of department

Name.....

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

Head of quality assurance unit:

Name.....

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