Department of Physical Medicine, Rheumatology & Rehabilitation

Program Specifications

Physical Medicine, Rheumatology & Rehabilitation Diploma Degree

2014-2015
Program Specifications: Physical Medicine, Rheumatology & Rehabilitation Diploma Degree, 2014-2015

Physical Medicine, Rheumatology & Rehabilitation Program Specifications

**University: Tanta**  **Faculty: Medicine**  **Department: Physical Medicine**

A- Basic information

1. Program title: Diploma of Physical Medicine, Rheumatology & Rehabilitation.

2. Program Code: PRR 700

3. Program coordinator: Dr. Radwa Mostafa Elkhouly

4. Program internal evaluators: Prof. Dr. Mervat Ismail Hussein

5. Program external evaluators: Prof. Dr. Amir Yousef- Mansoura Faculty of Medicine.

6. Date of approval: 5/11/2014

7. Departments offering the courses of the program:

Physical Medicine, Rheumatology & Rehabilitation, General Medicine, Orthopedic and Neurosurgery, Anatomy and Physiology faculty of Medicine. Tanta University

B. Professional information

1 - Overall program aims

The goals of this program is making candidate qualified 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, skills, and self education.

2 - Intended learning outcomes (ILOs):

a- Knowledge and understanding:

1. By the end of the program graduate should be able to:
   a.1 - Describe the theories and principles, and updates in rheumatology and rehabilitation and related sciences needed in his career.
   a.2 - Describe the ethical and legal principles of medical and professional practice.
   a.3 - Discuss basic principles of rehabilitation medicine, impairments, disability and handicapping.
   a.4 - Identify basics of health and patient’s safety and safety procedures during practice.
   a.5 - Identify proper patient care and patient’s rights to obtain the optimum health care & effective treatment of rheumatic diseases.
   a.6 - Identify the principles 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.8 - Demonstrate knowledge and productivity in rehabilitation science

b- Intellectual skills
2. **By the end of the program, candidates 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 - Explain the scientific basis of the methodology, list indications and interpret laboratory tests and imaging procedures used in diagnosis, management and research of rheumatic diseases.

b.3 - Evaluate drug pharmacology, pharmacokinetics, including drug metabolism, adverse effects, and interactions.

b.4 - Interpret electromyography and nerve conduction studies.

b.5 - Apply physical medicine and design rehabilitation program in patients with rheumatic, neurological, orthopedic and other medical disorders.

b.6 - Choose rehabilitation program of exercise-related illness(sport).

b.7 - 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:

- 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.

- Use bone and joint imaging techniques with proper interpretation of its report.

- Assess and Interpret bone density measurement.

- Use of non-steroidal anti-inflammatory drugs, disease modifying drugs, and biological agents, glucocorticoids, cytotoxic drugs, antihyperuricemic drugs and antibiotic therapy.

d. **General and transferable skills**

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

- Communicate effectively with his colleagues and patients.

- Perfect basics of information technology using skills which serve his career development.

- Apply self evaluation and specify his medical educational needs.

- Use different learning resources to get knowledge and information.

- Design parameters to evaluate his performance.

- Practice team working, and lead teams in specified professional jobs.

- Manage time perfectly.

- Perform continuous medical education.

3. **Academic standards adopted:**

Medical academic standards for diploma 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](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.
4 - Curriculum structure and content:

4-a- Program duration: 18 months

4-b- Program structures:

<table>
<thead>
<tr>
<th>Credits hours</th>
<th>Credits hours</th>
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<tbody>
<tr>
<td>theoretical</td>
<td>practical</td>
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<tr>
<td>First part</td>
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<tr>
<td>Second part</td>
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<tr>
<th>Taught hours</th>
<th>Credits hours</th>
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<td>120</td>
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<td>Second part</td>
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5-Courses included in the program:

5.1 Courses titles in first part

5.1.a-compulsory

<table>
<thead>
<tr>
<th>Semester</th>
<th>Code</th>
<th>Course Title</th>
<th>No. Of Hours /Week</th>
<th>Total credit hours /course</th>
<th>Remar ks</th>
<th>Program ILOsCovered</th>
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<tbody>
<tr>
<td>A</td>
<td>PRR7001</td>
<td>Physiology Anatomy</td>
<td>30</td>
<td>3</td>
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<td>a.1,b.1,2,</td>
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<tr>
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<td>PRR7002</td>
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<tr>
<td>B</td>
<td>PRR7004</td>
<td>Surgery &amp; Orthoped ic</td>
<td>30</td>
<td>3</td>
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<tr>
<td>B</td>
<td>PRR7003</td>
<td>Internal Medicine</td>
<td>30</td>
<td>3</td>
<td>a.1,b.1,2,c.1, d.1</td>
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5.2 Courses titles in second part

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<thead>
<tr>
<th>Semester</th>
<th>Code</th>
<th>Course Title</th>
<th>No. Of taught Hours</th>
<th>Total credit hours / course</th>
<th>Program duration</th>
<th>Program ILOs Covered</th>
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<tbody>
<tr>
<td>C</td>
<td>PRR70 05 rheum-rehab</td>
<td>Rheumatology &amp; Rehabilitation of rheumatic diseases</td>
<td>60</td>
<td>60</td>
<td>6</td>
<td>15 weeks</td>
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<tr>
<td>D</td>
<td>PRR70 06 phym-med</td>
<td>Physical medicine, Rehabilitation &amp; Electro diagnosis &amp; Orthotics &amp; Prostheses</td>
<td>60</td>
<td>60</td>
<td>6</td>
<td>15 weeks</td>
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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 36 credit h.

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<th>ILOs</th>
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<td>Anatomy</td>
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## Program Specifications:

### Physical Medicine, Rheumatology & Rehabilitation Diploma Degree, 2014-2015

### Matching of ARS and program ILOS

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<th>Program ILOS</th>
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### 6. Program admission requirements:

- **Program duration:** 2 years (24 months) / 36 credit hour

- **Program structure:**
  - **1st 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)

- **1-** أن يكون حاصلا على بكالوريوس الطب والجراحة من إحدى الجامعات الحكومية المصرية أو على درجة معادلة بها من المجلس الأعلى للجامعات.
2. An applicant must have completed a minimum of two years of work experience in the specialty at any public or private hospital or medical center. Exceptions are those working at Tanta University Hospitals after completing a year of postgraduate training.

3. Students must complete a minimum of one year of full-time study in the second part of the program.

4. Registration and progress requirements, and schedule of written exams are provided by the faculty through the postgraduate guide book according to postgraduate rules.

8. Program assessment and evaluation:

- Program external evaluator: Prof. Dr. Amir Yousef - Mansoura Faculty of Medicine
- Program Internal evaluator: Prof. Dr. Mervat Ismail Hussein
- Reports of external and internal evaluators
- Questioners to students and stick holders
- Reports of faculty internal auditing system

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

9. We certify that all of the information required to deliver this program is contained in the above specifications and will be implemented.
Program Specifications: Physical Medicine, Rheumatology & Rehabilitation Diploma Degree, 2014-2015

Program coordinator and head of department
name……………………signature………………Date………………..

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