



**AL-AZHAR UNIVERSITY**  
**FACULTY OF MEDICINE**  
**AL Hussein Hospital**  
**Rheumatology and**  
**Rehabilitation Department**

جامعة الأزهر  
مستشفى الحسين الجامعي  
قسم الطب الطبيعي والروماتيزم  
والتأهيل الطبي  
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### **Rheumatology, Physical Medicine and Rehabilitation course specifications**

#### **1. Data of the course**

Code of the course: 07-700-Rheu-Dp.	Title of the course: Master degree	Duration: 18 months
Specialty: Rheumatology, Physical Medicine and Rehabilitation	Number of teaching units: hours	Practical/Clinical: Clinical

#### **2. Objectives of the course:**

The aim of the course is to provide the postgraduate with the advanced knowledge and skills essential for the mastery of practice of the specialty and necessary for further training and practice in the field of Rheumatology, physical medicine and rehabilitation through providing :

- 2/1 Understanding the symptoms and signs of Rheumatic diseases
- 2/2 Understanding the appropriate use and interpretation of common diagnostic studies.
- 2/3 Development of the necessary knowledge and skills to approach and manage the wide array of rheumatic disorders.
- 2/4 Effectively perform a detailed and an efficient history taking and examination.
- 2/5 Ability to carry out the diagnosis and plan the recent treatment of the commonly Rheumatic disorders and emergencies in a compassionate appropriate and effective manner.

### 3. Intended Learning Outcome (ILOs)

<b>A. knowledge and understanding:</b>	By the end of this course, all the postgraduate students will acquire knowledge to: <b>A1</b> -Understand the basic sciences underlying normal and abnormal functioning of the Musculoskeletal system. <b>A2</b> -Recognize the risk factors, clinical picture and treatment of the rheumatic diseases. <b>A3</b> -Recognize and carry out the diagnosis and treatment of commonly encountered rheumatic diseases and emergencies. <b>A4</b> - Understand the importance of the recent diagnostic studies in the management of different cases.
<b>B. Intellectual skills:</b>	By the end of the course the candidate will be able to: <b>B1.</b> Analyze and develop an approach to patients with common complaints associated with the rheumatic diseases. <b>B2.</b> Select the proper prioritized diagnostic tool for each of the rheumatic disorders. <b>B3.</b> Conclude the diagnosis of the rheumatic disorders based on clinical data and investigations. <b>B4.</b> Design the treatment plan of the rheumatic diseases. <b>B5.</b> Design the prevention and control measures for the rheumatic diseases.



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<b>C. Professional skills:</b>	<p>By the end of the course the postgraduate student will be able to:</p> <p><b>C1</b> Perform a detailed physical and mental status examination to elicit and identify correctly the full range of symptoms and signs, in patients with rheumatic disorders.</p> <p><b>C2</b> Evaluate the patients presenting with rheumatic manifestations.</p> <p><b>C3</b> Carry out investigation in an efficient way.</p> <p>1- EMG :Evaluate and prepare the patient and determined the examined area which be examine(nerve conduction studies,Late responses and EMG). 2- DEXA machine: for diagnosis of osteoporosis.</p> <p>Elicit rheumatology diagnosis by using: i-EMG ii-DEXA</p> <p><b>C4</b> Construct a plan for management of the different rheumatic disorders.</p> <p><b>C5</b> Carry out effective follow up in an efficient way.</p>
<b>D. General skills:</b>	<p>By the end of the course the postgraduate student will be able to:</p> <p><b>D1</b> Work effectively within a team and implement liaison with members of other specialties.</p> <p><b>D2</b> Develop the communication and interpersonal skills necessary to communicate effectively with other medical members, patients and their families.</p> <p><b>D3</b> Use computer skills to review the recent medical literature worldwide in order to improve clinical practice.</p> <p><b>D4</b> Use the ultrasonography to aid in the diagnosis and management of the different cases.</p>

	<p><b>D5</b> Understand the importance of life-long self-learning and show a strong commitment to it.</p> <p><b>D6</b> Understand the importance of evidence based medicine and continuous medical education.</p> <p><b>D7</b> Develop the medical ethics necessary to communicate effectively with other medical members, patients and their families.</p>
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#### 4- Content of the course:

Topic Title	Number of hours		
	Lectures	Practical / Clinical	Others such as tutorials
1. Rheumatic diseases.	80 hours	50 hours	
2. Physical medicine and Rehabilitation	27 hours	17 hours	
3. Special courses			
• Research methodology	2 hours		
• Evidence based medicine	2 hours		
• Medical statistics	2 hours		
• Medical ethics	2 hours		
• Communication skills	2 hours		
<b>Total</b>	<b>117 hours</b>	<b>67 hours</b>	

<b>5- Methods of teaching:</b>	<p><b>Lectures:</b> The students will have the lectures from 10.00 am-1.00 pm in the lecture hall in the 1st floor of El-Hussein university hospital, and 3<sup>rd</sup> floor of Sayed Galal University hospitals Rheumatology, Physical Medicine and</p>
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	Rehabilitation department on Sundays, Tuesday and Wednesdays.  <b><u>Practical/Clinical:</u></b> In the Rheumatology, Physical Medicine and Rehabilitation department inpatient ward.
<b>6- Methods of teaching of handicaps:</b>	

#### 7. Students evaluation and assessment:

A- Method of assessment:	1-Written exam 2-Structured clinical exam 3- OSCE 4- Structured oral exam 5- OSPE
B- Time of assessment:	End of course
C- Allocated marks/Distribution	1-Written exam 2- Structured clinical exam 3- OSCE 4- Structured oral exam 5- OSPE

#### 8. Teaching books, notebooks, and reference:

<b>Books/Notebooks:</b>	<p>1-Kelley's Textbook of Rheumatology: Expert Consult Premium Edition - Enhanced Online Features and Print, 2-Volume Set, 9e (Kelley's Textbook of Rheumatology) Hardcover – October 5, 2012</p> <p>2-Clinical Rheumatology-ISSN: 0770-3198 (Print) 1434-9949 (Online)</p> <p>3- Primer on the Rheumatic Diseases (Primer on Rheumatic Diseases (Klippel))Paperback– July 29, 2008</p> <p>4-Kelley's Textbook of Rheumatology, 9th Edition Clinical Rheumatology - 2016 (The Clinical Medicine Series Book 14) [Kindle Edition]</p>
<b>Periodicals, Web Sites, ..., etc.</b>	<ul style="list-style-type: none"> <li>• Annals of the rheumatic disease</li> <li>• Arthritis and rheumatism</li> <li>• Clinical rheumatology</li> <li>• Current rheumatology reviews</li> <li>• International journal of clinical rheumatology</li> <li>• International journal of rheumatic disease</li> <li>• Osteoporosis international</li> <li>• Rheumatology international</li> <li>• Scandinavian journal of rheumatology supplements</li> <li>• Seminars in arthritis and rheumatism</li> </ul> <p><a href="http://pubmed.com">http://pubmed.com</a><a href="http://pubmed.com">http://pubmed.com</a></p>
<b>References:</b>	<p>External reference (Rheumatology-Acolor HandBook).It is present online :</p> <p><a href="http://www.medicinezahar.edu.eg/rhema-dept.html">http://www.medicinezahar.edu.eg/rhema-dept.html</a></p>

**Course Coordinator: Lecturer /Mohamed Abdelkareem**

**Head of Department:** Prof. Khalid Zaky

**Date:** 10/10/2016