

NARS for Master degree

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير في الروماتيزم والتأهيل والطب الطبيعي)
<p>١. Applied physiology</p> <p>٢. Applied anatomy</p> <p>٣. Basics of clinical immunology</p> <p>٤. Internal medicine</p> <p>٥. Physical medicine and rehabilitation</p> <p>٦. Rheumatology and immunology</p>	<p>A١, A٢, A٣, A٤, A٥, A٨, A٩, A١١, A١٢, A١٣, A١٤, A١٥, A١٦, A١٧, A٢٠, A٢١, A٢٢, A٢٣, A٢٤, A٢٥, A٢٦</p>	<p>- This module exposes students to the principles of musculoskeletal biology in health and disease including the cellular, molecular, genetic, immunological and biomechanical aspects of musculoskeletal science and medicine. (University of Oxford)</p> <p>- At the end of the module each student will be able to have a sound understanding of the scientific basis of rheumatology (King's college London).</p>	<p>١) Theories, concepts and specialized knowledge of the learning area and also sciences appropriate to the professional practice in the field of Physical medicine, Rheumatology and Rehabilitation.</p>
<p>١- Basics of clinical immunology</p> <p>٢-Internal medicine</p> <p>٣-Physical medicine and rehabilitation</p> <p>٤-Rheumatology and immunology</p>	<p>A٧</p>		<p>٢) Mutual influence between professional practice and its impacts on the environment.</p>

<p>1. Applied physiology</p> <p>Γ. Applied anatomy</p> <p>Ϛ. Basics of clinical immunology</p> <p>Σ. Internal medicine</p> <p>Δ. Physical medicine and rehabilitation</p> <p>1. Rheumatology and immunology</p> <p>V. regional musculoskeletal disorders</p>	<p>A¹, A¹⁰, A¹⁷</p>	<p>- The principle objective of this basic module is to provide a detailed and up-to-date understanding of bone, joint, cartilage, muscle and tendon biology with respect to cell biology, immunology, genetics and biomechanics. This will pave the way for more specialist study in the latter part of the program. (University of Oxford).</p> <p>- It also covers the scientific basis of genetic susceptibility to inflammatory and degenerative forms of bone and joint disease. Pathophysiological mechanisms relevant to various inflammatory arthropathies and inflammatory connective tissue disorders will be presented, including their relevance to identifying novel forms of treatment. Students are introduced to methods by which genetic markers, animal models and biomarkers can be used to explore relevant disease pathways, culminating in the identification of potential drug targets. (University of Oxford).</p>	<p>Υ) Scientific developments in the field of Physical medicine, Rheumatology and Rehabilitation.</p>
<p>1. Rheumatology and immunology</p> <p>Γ. Physical medicine and rehab.</p> <p>Ϛ. Internal medicine</p>	<p>A¹⁸</p>	<p>Understand ethical issues and manage and resolve ethical dilemmas in relation to clinical practice (King's college London)</p>	<p>ϛ) Moral and legal ethics of the professional practice in the area of Physical medicine, Rheumatology and Rehabilitation</p>

٥. Applied physics			
١. Rheumatology and immunology ٢. Physical medicine and rehab. ٣. Regional musculoskeletal disorders ٤. Internal medicine	A ^{١٩}	It covers the scientific basis and clinical practice of rheumatology; critical evaluation of research; design and conduct of a research project; communication and management skills; and the ethos of a multidisciplinary approach to rheumatological care. (King's college London).	٥) The basics and ethics of scientific research.

ب - القدرات الذهنية :

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١. Applied anatomy ٢. Applied physiology ٣. Basics of clinical immunology ٤. Regional musculoskeletal disorders ٥. Internal medicine ٦. Applied physics	B ^١ , B ^٢ , B ^٣ , B ^٤ , B ^٥ , B ^٦ , B ^٧ , B ^{١٤} , B ^{١٦} , B ^{٢٠} , B ^{٢١} , B ^{٢٢} , B ^{٢٤}	Enable students to develop a critical and evidence-based approach to musculoskeletal conditions, their diagnosis and management. (University of Oxford).	١) Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems.

<p>V. Physical medicine and rehabilitation</p> <p>Α. Rheumatology and immunology</p>			
<p>1. Basics of clinical immunology</p> <p>Γ. Regional musculoskeletal disorders</p> <p>Υ. Internal medicine</p> <p>Ξ. Physical medicine and rehabilitation</p> <p>Δ. Rheumatology and immunology</p>	<p>B^Α, B^Β, B^Γ, B^Δ, B^Ε, B^Ζ, B^Η, B^Θ, B^Ι, B^Κ, B^Λ, B^Μ, B^Ν, B^Ξ, B^Ο</p>	<p>Discuss and appraise the various clinical approaches to treatment (King's college London)</p>	<p>Υ) Solve specific problems on the basis of limited and contradictory information.</p>
<p>1 - basics of clinical immunology</p> <p>Γ. Internal medicine</p> <p>Υ. Physical medicine and rehabilitation</p> <p>Ξ. Rheumatology and immunology</p>	<p>B^Υ</p>	<p>Have an advanced knowledge and understanding of the clinical treatment of rheumatology (King's college London)</p>	<p>Υ) Demonstrate a high level of competence in the coordination of different sources of knowledge to solve professional problems..</p>
<p>1. Physical medicine and</p>	<p>B^Υ</p>	<p>This module enables the students to develop</p>	<p>Ξ) Carry out a research study and / or writing a scientific methodology study on research problem.</p>

rehabilitation Γ. Rheumatology and immunology		strong and answerable research questions, understand different research designs and apply appropriate outcome measures (University of Oxford).	
Ι. Applied anatomy Γ. Applied physiology Ρ. Basics of clinical immunology Ξ. Regional musculoskeletal disorders Δ. Internal medicine Ζ. Applied physics V. Physical medicine and rehabilitation Α. Rheumatology and immunology	B ^Υ , B ¹¹	Demonstrate the ability to apply intellectual skills towards clinical problems in rheumatology (King's college London). This module covers the breadth of clinical challenges facing rheumatologists- from the most common conditions to unusual skeletal dysplasias, from paediatrics to tropical musculoskeletal disease and from malignancy to sports medicine (University of Oxford).	ο) Assess and analyze risks of the professional practice in the field of Physical medicine, Rheumatology and Rehabilitation.
1 - basics of clinical immunology 2 - Internal medicine 3 - Physical medicine and Rehabilitation Ξ - Rheumatology and	B ^{1Υ}	Understand ethical issues and manage and resolve ethical dilemmas in relation to clinical practice (King's college London)	7) Plan to improve performance in the field of Physical medicine, Rheumatology and Rehabilitation.

immunology			
١- Applied anatomy ٢- applied physiology ٣- basics of clinical immunology ٤- internal medicine ٥- rheumatology and immunology ٦- physical medicine and rehabilitation	B٤, B٥, B٦	The students will be able to develop a critical and evidence-based approach to musculoskeletal conditions, their diagnosis and management. (University of Oxford).	٧) Make career decisions in different professional aspects

ج - المهارات العملية:

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١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	C٨, C٦, CV, C٩, C١١	Be able to perform advanced clinical skills in rheumatology (King's college London)	١) Apply modern and principle professional skills in the area of Physical medicine, Rheumatology and Rehabilitation..
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	C١٠		٢) Write and evaluate technical reports.
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	C١, C٢, C٣, C٤, CA	Be able to perform advanced clinical skills in rheumatology (King's college London)	٣) Adopt assessment methods and tools existing in the area of Physical medicine, Rheumatology and Rehabilitation.

د- مهارات الاتصال:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الروماتيزم والتأهيل والطب الطبيعي)
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	D٤, D٥		١) Communicate effectively in different aspects.
١- rheumatology and immunology ٢- physical medicine and rehabilitation	D٢, D٢, D٤		٢) Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice.
١- rheumatology and immunology ٢- physical medicine and rehabilitation	D١	the capacity of students to engage in personal learning (King's college London)	٣) Adopt self-assessment and specify his needs of personal learning.
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	D٢, D٩	This module makes the students has the ability to use appropriate statistical methods in the analysis of simple datasets (University of Oxford).	٤) Use different resources for information and knowledge.
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	D١	promote the ethos of a multi-disciplinary approach to rheumatology care (King's college London)	٥) Collaborate effectively within multidisciplinary team and lead teams in different professional contexts.
١- internal medicine ٢- rheumatology and immunology ٣- physical medicine and rehabilitation	D١١	Organise workload in order to meet deadlines (King's college London)	٦) Demonstrate a high level of competence in the time management.
١- rheumatology and immunology ٢- physical medicine and rehabilitation	D١, D٤	Teaching is predominantly lecture-based but will also include interactive sessions and self-	٧) Continuous self-education.

		directed learning and presentation. (University of Oxford).	
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