

## NARS for MD and PhD

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
Applied pathology and physiology	A1, A2	Concepts and updates in internal medicine topics	1. The theories, concepts and modern knowledge in the field of specialization and other related field
Gastroenterology & Hepatology, Endocrinology, Nephrology, Hematology & Infectious diseases	A3, A4, A5, A6, A7, A8, A9, A15, A16	Basics and sufficient knowledge of Gastroenterology, Endocrinology, Nephrology, Hematology & Infectious diseases.	2. The basics, methodologies, ethics of scientific research and its versatile tools
Neurology & psychiatry	A14	Ethics in medicine	3. The moral and legal ethics of the professional practice in the area of specialization
Geriatrics & General internal medicine Evidence based medicine	A17, A19	Evidence based medicine	4. The concepts and principles of quality of the professional practice in the area of specialization
Endocrinology, Diabetes, Metabolism, nutrition, geriatrics, infectious diseases & respiratory	A20	Effect of good medical practice on the surrounding environment	5. The knowledge on the effects of professional practice on the environment and ways of development and maintenance of the environment

ب - القدرات الذهنية :

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا
Elective Courses, Practical procedures, Log book activities, Dissertation (Thesis), Applied physiology, Applied pathology, Respiratory, Neurology, psychiatry, critical & Emergency medicine	B4, B5, B9	Evaluate and analyze patient's cases	1) Analyze and evaluate of information in the field of specialization and make full use of such information to solve problems

<b>Gastroenterology, Hepatobiliary, Diabetes Endocrinology, Metabolism, Nutrition, Nephrology, Geriatrics, Hematology, Oncology, Rheumatology &amp; Immunology, Practical procedures, Log book activities, Dissertation (Thesis), Emergency medicine, Critical care</b>	<b>B2, B10</b>	<b>Use internal medical knowledge to solve patient's problems</b>	<b>2) Solve specific problems on the basis of limited and contradictory information</b>
<b>Rheumatology, Immunology, Infectious diseases &amp; Dissertation (Thesis)</b>	<b>B6</b>	<b>Conduct proper effective research</b>	<b>3) Carry out a research studies to add new information to the knowledge</b>
<b>Rheumatology, Immunology, Infectious diseases &amp; Dissertation (Thesis)</b>	<b>B6</b>	<b>Formulate a good scientific paper</b>	<b>4) Write scientific papers</b>
<b>Gastroenterology, Hepatobiliary, nephrology, Infectious diseases, Respiratory, Neurology, psychiatry, critical &amp; Emergency medicine</b>	<b>B9</b>	<b>Iatrogenic risks of hospital working</b>	<b>5) Assess and analyze risks in the field of specialization</b>
<b>Gastroenterology, Hepatobiliary, nephrology, cardiovascular, Endocrinology, Diabetes, Metabolism, nutrition, Geriatrics, Hematology, oncology, Respiratory &amp; Practical procedures</b>	<b>B1, B3</b>	<b>Upgrade medical service in internal medicine</b>	<b>6) Plan to improve performance in the field of specialization</b>
<b>Gastroenterology, Hepatobiliary, Diabetes Endocrinology, Metabolism, Nutrition, Nephrology, Geriatrics, Hematology, Oncology, Rheumatology &amp; Immunology</b>	<b>B2</b>	<b>Be competence in emergency and outpatient situations</b>	<b>7) Make good decisions in different professional aspects</b>
<b>Practical procedures, Log book activities, Dissertation (Thesis), Emergency medicine, Critical care, Rheumatology and</b>	<b>B10</b>	<b>Productive work in hospital wards and ICU</b>	<b>8) Have innovation/creativity</b>

immunology & Geriatrics			
Gastroenterology, Hepatobiliary, Diabetes Endocrinology, cardiology, Geriatrics & Rheumatology & Immunology	B7	Achieve a good level in discussing internal medicine problems with evidence based learning	9) Discuss and negotiate in high level of confidence based upon proofs and evidences

ج - المهارات العملية:

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Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, respiratory.	C1, C6	Improved acquired skills in internal medicine	1) Apply modern and principle professional skills in the area of specialization
Elective courses, log book activities, nephrology, geriatrics, respiratory, neuromedicine & psychiatry	C4,	Interpret laboratory and radiological reports in internal medicine	2) Write and evaluate technical reports
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book	C3,	Master investigational techniques related to internal medicine	3) Adopt assessment methods and tools existing in the area of specialization.

activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, log book activities.			
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, respiratory, thesis.	<b>C2, C5</b>	<b>Proper use of recent technologies to serve patients</b>	<b>4) Use of the appropriate technological means to serve the professional practice.</b>
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, respiratory, Thesis	<b>C6, C7</b>	<b>Able to improve and continue self-learning</b>	<b>5) Plan to improve the performance of the professional practice and development of the performance of others</b>

د- مهارات الاتصال:

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Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology	D1, D3	Proper communication with the surroundings	1) Communicate effectively in different aspects
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures & Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases	D5	Updated in using recent technologies to acquire new information	2) Demonstrate efficient IT capabilities in such a way that serves in the development of the professional practice
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence, cardiology	D9	How to handle a scientific meeting	3) Manage the scientific meetings and manage time
Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology,	D4, D6	Acquire the ability for self learning	4) Adopt self-assessment and Adopt life-long learning

<b>Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures &amp; Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, respiratory.</b>			
<b>Applied physiology &amp; applied pathology, gastroenterology, hepatology, endocrinology, metabolism, nutrition, infectious diseases and cardiology.</b>	<b>D7</b>	<b>Capability to learn from all sources</b>	<b>5) Use different resources for information and knowledge</b>
<b>Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutrition, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence based medicine, Elective Courses, Practical procedures &amp; Log book activities, Nephrology, Geriatrics, cardiology, Hematology and oncology, infectious diseases, respiratory.</b>	<b>D2, D8</b>	<b>Proper teamwork</b>	<b>6) Collaborate effectively within multidisciplinary team and lead team works</b>
<b>Gastroenterology, hepatobiliary, Endocrinology, Diabetes, Metabolism, nutritio, Rheumatology, Immunology, Emergency medicine, Critical care, Evidence, cardiology</b>	<b>D9</b>	<b>Good medical practice and administration capability</b>	<b>7) Demonstrate a high level of competence in the management of time and scientific meetings</b>