

**مقارنة ما يقدمه البرنامج من نتائج تعليمية مستهدفة مع المعايير المرجعية لبرنامج  
الماجستير في طب المناطق الحارة**

أ - المعرفة والفهم:

المقررات التي تحقق المعايير الأكاديمية للبرامج	ILOs مخرجات التعلم المستهدفة	(ARS) Benchmark المعايير الأكاديمية لقسم طب المناطق الحارة لجامعة المنصورة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير في طب المناطق الحارة)
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	A17, A19	Discuss up to date knowledge in infectious diseases from scientific interactions and caring for patients and continued medical education Discuss up-to-date knowledge in hepatic and gastrointestinal disorders including life threatening conditions from scientific interactions and caring for patients and continued medical education.	1- Recent advances and areas under research in the field of Tropical medicine
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	A18	Review basic principles of medical research and medical biostatistics	2- Scientific research ethics, research methodology & research design. Curriculum must advance knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care.
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology 3-Nutrition 4-Traveller medicine	A15,16,17,19 20,21	Discuss different infectious diseases including life threatening conditions. Identify locally endemic infectious diseases and worldwide distribution of different infectious diseases. Discuss up to date knowledge in infectious diseases from scientific interactions and caring for patients and continued medical education Discuss up-to-date knowledge in hepatic and gastrointestinal disorders including life threatening conditions from scientific interactions and caring for patients and continued medical education Explain Nutritional Requirements, relation between infection and malnutrition, enteral and parenteral nutritional therapy Describe Traveler's diarrhea, infection care in travelers and fever in returning traveler	3- Legal and medicolegal aspects in practice of Tropical medicine as well as medical ethics.
1-Physiology 2-Biochemistry 3-Microbiology 4-Parasitology 5-Public Health 6-Pathology 7-Internal Medicine	A10,11,12, 13,14	Discuss basic sciences of infectious, hepatic and gastrointestinal disorders Recognize principles of evaluation and management of various medical disorders Explain diagnosis and management of life threatening conditions, autoimmune diseases and immunodeficiency diseases Review laboratory reference intervals and values	4- Principles and basic concepts of quality in professional practice including planning, improvement of performance and control of practicing outcomes.
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	A1-11	Discuss basic sciences of infectious, hepatic and gastrointestinal disorders	5- Knowledge related to environmental development, patient safety, safe occupational practice, serving communities and research results in improving public health outcomes.

ب - القدرات الذهنية :

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لقسم طب المناطق الحارة لجامعة المنصورة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير في طب المناطق الحارة)
1-Internal Medicine 2-Tropical medicine and infectious diseases 3-Tropical Gastroenterology and Hepatology 4-Nutrition 5-Traveller Medicine	B,8,9,12,14,15	Construct appropriate management strategies for patients with common medical and critical conditions Construct appropriate management strategies for patients with common endemic and infectious diseases Construct appropriate management strategies for patients with common hepatic and gastrointestinal diseases Recognize nutritional deficiencies and select appropriate management strategies for nutritional disorders Relate geographical distribution of infectious diseases to diagnosis and management of travel associated infection	6- Medical data analysis, interpretation and proper therapy choice.
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	B10,13	Predict appropriate tests for detecting patients at risk or in the early stage of endemic and infectious diseases and determine strategies for responding appropriately  Predict appropriate tests for detecting patients at risk or in the early stage of hepatic and gastrointestinal diseases and determine strategies for responding appropriately	7- Medical problem solving and Evidence-based medicine.
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	B11	Recognize and cope with uncertainty by using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises and share in scientific research designing and reviewing	8- Participation in research development and innovation.
1-Tropical medicine and infectious diseases 2- Tropical Gastroenterology and Hepatology	B11	Recognize and cope with uncertainty by using appropriate cognitive and	9- Scientific paper reviewing.

		intellectual strategies to deal with uncertainty when it arises and share in scientific research designing and reviewing	
Tropical Gastroenterology and Hepatology	B12	Construct appropriate management strategies for patients with common hepatic and gastrointestinal diseases with assessment of risk and benefit	10- Risk assessment in medical practice.
1-Internal Medicine 2-Tropical medicine and infectious diseases 3- Tropical Gastroenterology and Hepatology	<b>B7-B12</b>	Construct appropriate management strategies for patients with common medical and critical conditions Construct appropriate management strategies for patients with common endemic and infectious diseases .Predict appropriate tests for detecting patients at risk or in the early stage of endemic and infectious diseases and determine strategies for responding appropriately .Recognize and cope with uncertainty by using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises Construct appropriate management strategies for patients with common hepatic and gastrointestinal diseases with assessment of risk and benefit Predict appropriate tests for detecting patients at risk or in the early stage of hepatic and gastrointestinal diseases and determine strategies for responding appropriately Recognize and cope with uncertainty by using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises and share in scientific research designing and reviewing	11- Planning for improvement of professional performance in the field of Tropical Medicine. Residents are expected to develop skills and habits to be able to meet the following goals: (1) identify strengths, deficiencies, and limits in one's knowledge and expertise; (2) set learning and improvement goals; (3) identify and perform appropriate learning activities; (4) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement; (5) incorporate formative evaluation feedback into daily practice; (6) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems; (7) use information technology to optimize learning; and participate in the education of patients, families, students, residents and other health professionals.
1-Internal Medicine 2-Tropical medicine and infectious diseases 3-Tropical Gastroenterology and Hepatology 4-Nutrition 5-Traveller Medicine	B8-15	Construct appropriate management strategies for patients with common medical and critical conditions Construct appropriate management strategies for patients with common	12- Decision making skill.

		<p>endemic and infectious diseases</p> <p>.Predict appropriate tests for detecting patients at risk or in the early stage of endemic and infectious diseases and determine strategies for responding appropriately</p> <p>.Recognize and cope with uncertainty by using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises</p> <p>Construct appropriate management strategies for patients with common hepatic and gastrointestinal diseases with assessment of risk and benefit</p> <p>Predict appropriate tests for detecting patients at risk or in the early stage of hepatic and gastrointestinal diseases and determine strategies for responding appropriately</p> <p>Recognize and cope with uncertainty by using appropriate cognitive and intellectual strategies to deal with uncertainty when it arises and share in scientific research designing and reviewing</p> <p>Recognize nutritional deficiencies and select appropriate management strategies for nutritional disorders</p> <p>Relate geographical distribution of infectious diseases to diagnosis and management of travel associated infection</p>	
			13- Development, innovation and medical breakthrough.
1-Internal Medicine 2-Tropical medicine and infectious diseases 3-Tropical Gastroenterology and Hepatology	B3	Categorize infection control and safety measures	14- Safety culture of medical practice.

ج - المهارات العملية:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لقسم طب المناطق الحارة لجامعة المنصورة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير في طب المناطق الحارة)
1-Parasitology 2-Internal Medicine 3-Tropical medicine and infectious diseases 4-Tropical Gastroenterology and Hepatology	C1-4,C7,C8	Demonstrate the morphological characteristics and differentiate between the most common helminths and protozoa in parasitology lab Predict the most frequent clinical, laboratory, radiologic findings of common medical and critical diseases with prioritization of the common possibilities for each problem Predict the most frequent clinical, laboratory, radiologic findings of common infectious diseases with prioritization of the common possibilities for each problem Perform and interpret the results of commonly used diagnostic and therapeutic procedures in management of infectious diseases using evidence based medicine Predict the most frequent clinical, laboratory, radiologic findings of common hepatic and gastrointestinal diseases with prioritization of the common possibilities for each problem Perform and interpret the results of commonly used diagnostic and therapeutic procedures in management of different hepatic and gastrointestinal diseases using evidence based medicine	15- Professionalism and up to date practice. providing patient care that is compassionate, appropriate, & effective for the treatment of health problems and the promotion of health. In this context; Residents must demonstrate a commitment to carrying out professional responsibilities & an adherence to ethical principles. Residents are expected to demonstrate: (1) compassion, integrity, and respect for others; (2) responsiveness to patient needs that supersedes self-interest; (3) respect for patient privacy and autonomy; (4) accountability to patients, society and the profession; and,(5) sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.
Tropical Medicine and infectious diseases	C6	Organize medical records and apply epidemiological methods to the investigation, prevention and control of infectious diseases in developing countries	16- Medical report writing and evaluation/appropriateness of patient medical report.
1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	C9	Investigate and evaluate their work and that of others and use IT effectively to improve health services.	17- Ability to investigate and evaluate their care of patients, to appraise and assimilate scientific evidence, and to continuously improve patient care based on constant self-evaluation and life-long learning.
1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	C9	Investigate and evaluate their work and that of others and use IT effectively to improve health services	18- Effective use of IT and healthcare information system in medical practice and patient medical records to optimize learning; and participate in the education of patients, families, students, residents and other health professionals
1-Internal Medicine 2-Tropical medicine and	C2-4, C7-9	Predict the most frequent clinical, laboratory, radiologic	19- Planning for improvement of professional performance in the field of

<p>infectious diseases 3-Tropical Gastroenterology and Hepatology</p>		<p>findings of common medical and critical diseases with prioritization of the common possibilities for each problem Predict the most frequent clinical, laboratory, radiologic findings of common infectious diseases with prioritization of the common possibilities for each problem Perform and interpret the results of commonly used diagnostic and therapeutic procedures in management of infectious diseases using evidence based medicine Predict the most frequent clinical, laboratory, radiologic findings of common hepatic and gastrointestinal diseases with prioritization of the common possibilities for each problem Perform and interpret the results of commonly used diagnostic and therapeutic procedures in management of different hepatic and gastrointestinal diseases using evidence based medicine Investigate and evaluate their work and that of others and use IT effectively to improve health services</p>	<p><b>Tropical Medicine</b> Residents are expected to develop skills and habits to be able to meet the following goals. (1) identify strengths, deficiencies, and limits in one's knowledge and expertise; (2) set learning and improvement goals; (3) identify and perform appropriate learning activities; (4) systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement; (5) incorporate formative evaluation feedback into daily practice; (6) locate, appraise, and assimilate evidence from scientific studies related to their patients' health problems; (7) use information technology to optimize learning; and participate in the education of patients, families, students, residents and other health professionals</p>
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د- مهارات الاتصال:

المقررات التي تحقق المعايير الأكاديمية للبرامج	مخرجات التعلم المستهدفة ILOs	(ARS) Benchmark المعايير الأكاديمية لقسم طب المناطق الحارة جامعة المنصورة	(NARS) المعايير القومية الأكاديمية القياسية العامة لبرامج قطاع الدراسات العليا (درجة الماجستير في طب المناطق الحارة)
<p>1-Internal Medicine 2-Tropical medicine and infectious diseases 3-Tropical Gastroenterology and Hepatology</p>	<p>D1,D2,D8</p>	<p>Establish professional relationships with medical patients, their families characterized by understanding, trust, respect and confidentiality</p>	<p>20- Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals</p>
<p>1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology</p>	<p>D7</p>	<p>Develop and deliver a teaching module and guide learners in a work setting</p>	<p>21- Teaching and evaluation skills as senior staff.</p>
<p>1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology</p>	<p>D5, D6</p>	<p>Evaluate their work and that of others using constructive feedback. Use information and communication technology effectively in the field of medical practice</p>	<p>22- Self-appraisal and life-long learning.</p>

1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	<b>D6</b>	Use information and communication technology effectively in the field of medical	23- Accessibility to specialty-specific and other appropriate reference material in print or electronic format. Electronic medical literature databases with search capabilities.
1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	<b>D4</b>	Solve problems related to patients, work management, and among colleagues	24- Teamwork/leadership.
1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	<b>D3</b>	Manage time and resources effectively, set priorities and work efficiently within the health care team and cope with a changing work environment	25- Time management and meeting organization
1-Internal Medicine 2-Tropical medicine and infectious diseases 3-Tropical Gastroenterology and Hepatology	<b>D1,2,4,8</b>	Establish professional relationships with medical patients, their families characterized by understanding, trust, respect and confidentiality Solve problems related to patients, work management, and among colleagues	26- Interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals
1-Tropical medicine and infectious diseases 2-Tropical Gastroenterology and Hepatology	<b>D7</b>	Develop and deliver a teaching module and guide learners in a work setting	27- Teaching and evaluation skills as senior staff.