

## Course Specification

University: Al Azhar  
 Faculty: Medicine  
 Department: Internal Medicine

### 1. Data of the course

Code of the course:	Title of the course: master degree	Duration:
Specialty: Cardiology	Number of teaching units: 5	Practical/Clinical:

<b>2.Objectives of the course:</b>	<p>I/1 to possess adequate knowledge about the human body in health and disease and of various causes and basic mechanisms underlying diseases.</p> <p>I/2 To develop an appropriate knowledge and skills and attitude necessary for current clinical practice to become competent in diagnosis, differential diagnosis and the ability to formulate an appropriate management of the common Internal Medicine health problems.</p> <p>1/3 to develop appropriate knowledge and skills to formulate and carry out (wherever possible) an appropriate, preventive and curative role.</p> <p>1/4 to be able to recognize and manage conditions that require urgent intervention and to apply appropriate preventive measures for them.</p> <p>I/5 to develop positive attitude of continuous medical education and promotion of professional skills and research capabilities.</p>
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### 3. ILOs

A. knowledge and understanding:	<p>By the end of this course, all the postgraduate students will acquire knowledge to:</p> <p>A. Demonstrate the basis of genetics and its influence on diseases.</p> <p>B. Identify the unique features of immunity and pathogenesis of diseases.</p> <p>C. Describe the causes, pathogens and clinical feature of the common internal medicine problems.</p> <p>D. Cite the management priorities for different Internal Medicine life threatening Conditions.</p> <p>E. Recognize the art of nutrition and diseases of malnutrition</p> <p>F. Describe the clinical manifestations, and differential diagnosis of common internal medicine diseases.</p> <p>G. Describe appropriate diagnosis and management of chronic problems that require tertiary care</p> <p>H. Identify basics of ethics, medico legal aspects of health problems, mal practice common medical errors.</p>
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<p>B. Intellectual skills:</p>	<p>A. Make decisions regarding common clinical situations using appropriate problem solving skills.</p> <p>B. Construct appropriate management strategies for patients with common diseases, both acute and chronic, including medical, psychiatric, and surgical conditions</p> <p>C. Design assessment and management of common problems that present in adults</p> <p>D. Interpretation of common diagnostic studies and proper choice among them according to the situation,</p> <p>E. Describe prevention of diseases, immunization, control, isolation and chemoprophylaxis in cases of infectious diseases.</p> <p>F. Detect the life threatening situations and manage according or refer.</p> <p>G. Classify factors that place individuals at risk for disease or injury, to determine strategies for appropriate response.</p> <p>H. Retrieve, analyze, and evaluate relevant and current data from literature, using information technologies and library resources, in order to help solve a clinical problem based on evidence (EBM).</p> <p>I. Involvement into research and scientific methods through:</p> <p>a. Formulation of research questions that is pertinent to medicine. recognition of the importance of precision in collecting, analyzing and interpreting medical data.</p>
<p>C. Professional skills:</p>	<p>By the end of the course the postgraduate student will be able to:</p> <p>A. Understand and respect the different cultural beliefs and values in the community they serve.</p> <p>B. Collect relevant and focus history related to the medical problem.</p> <p>C. Perform clinical examination of different systems orderly, fluently and competently and be skillful in clinical sign detection.</p> <p>D. Make diagnostic and therapeutic decisions based on clinical judgment.</p> <p>E. Choose the appropriate laboratory data as well as the imaging (radiological) according to the clinical condition.</p> <p>F. Interpret different diagnostic tools such as radiological, ECG, and other laboratory investigations and how to implement these data in the diagnosis, management and follow up of cases.</p> <p>G. Recognize criteria of life threatening conditions in adults and to initiate appropriate management.</p> <p>H. Perform the techniques of resuscitation and demonstrate Competency in basic and advanced life support measures.</p> <p>I. Provide family-centered patient care that is culturally effective and developmentally and age appropriate.</p>
<p>D. General skills:</p>	<p>By the end of the course the postgraduate student will be able to:</p> <p>A. Apply ethical principles to clinical work, such as to display patience and kindness.</p> <p>B. Avoid frightening of the patients and accept the unsuitable behavior of patients as: urine incontinence</p> <p>C. Deal with the patient as a person not as a disease.</p>

	<p>D. Keep all the private information about the patient's illness confidential.</p> <p>E. Deal properly with the relatives, keep respecting them and evaluate their worry about patient.</p> <p>F. Solve problems related to patients, work management and among colleagues.</p> <p>G. Respect his colleagues and a commitment to cooperate with them.</p> <p>H. Exhibit and display a professional image (professional look), following the Islamic code of medical ethics.</p> <p>1. Apply safety and infection control measures during practice.</p> <p>J. Work efficiently within the health care team.</p> <p>K. Manage time and resources effectively and set priorities.</p> <p>L. Use information and communication technology effectively in the field of medical practice.</p> <p>M. Retrieve, manage, and manipulate information by all means, including electronic means.</p> <p>N. Present information clearly in written, electronic and oral forms.</p> <p>O. Analyze and use numerical data including the use of simple statistical (methods).</p> <p>P. Be prepared for the lifelong learning needs of the medical profession.</p>
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**4- Content of the program:**

Topic Title	Number of hours		
	Lectures	Practical / Clinical	Others such as tutorials
1. Immunology Collagen diseases-osteoarthritis- Behcet disease-hyper uricemia& gout-hyper sensitivity reactions	5	2	1
2. Infectious diseases FUO-infectious mononucleosis- typhoid fever-brucellosis- malaria amoebiasis&giardiasis- schistosomiasis	3	2	1
3. Digestive system / Hepatobiliary system Achalasia-Hiatus hernia-Gastro esophageal reflux disease-peptic ulcer-IBD-IBS-acute diarrhea- malabsorption-GI bleeding-liver diseases	8	10	3
4. Respiratory system Chest symptoms-hemoptysis- pneumonia-pleural diseases- pulmonary TB-BA-COPD-SLS	6	8	3

5. Cardiovascular system valvular diseases-RHD-HF-IHD- HTN-pericardial diseases- pulmonary hypertension- cardiomyopathy-dysrhythmias	7	8	3
6. Hematology Anemia-hemoglobinopathies- purpura-coagulation-leukemia- lymphoma	5	4	3
7. Nephrology Nephritic syndrome-GN-ARF-CRF- proteinuria-acid base disturbance	4	4	2
8. Endocrinology&Diabetes (Pituitary-thyroid- parathyroid)disorders-DM- conns&caushing-addisson- pheocromocytoma-hyper calcemia- osteoprosis&osteomalacia-short stature-hirsutism-obesity- polyurea	5	4	2
9. Neurology Introduction-cranial nerves-blood supply of brain & spinal cord- hemiplegia-paraplegia-abnormal movement-lower motor neuron lesion-convulsions & epilepsy- ataxia-parkinsonism- subarachnoid hge-vertigo-brain tumors-coma-headache-MS- dementia-meningitis & encephalitis	7	8	2
Total	50	50	20

<b>5- Methods of teaching:</b>	<b>Lectures:</b> (2 hrs. Al-Husseini hosp. on Saturday), The Student Hall, Internal Medicine department, 6th floor (2 hrs. Bab, Al-Sha'rya hosp. on Wednesday), The Meeting hall, Internal Medicine department, 10th floor  <b>Practical/Clinical:</b> Total 4 hrs. in the Internal Medicine department inpatient wards.
<b>6- Methods of teaching of handicaps:</b>	

**7. Students evaluation and assessment:**

A- Method of assessment:	1-Written exam 2-Oral exam 3-Clinical exam
B- Time of assessment:	End of course
C- Allocated marks/Distribution	1-Written exam (100) 2-Oral exam (50) 3-Clinical exam (50)

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

Books/Notebooks:	
References:	Text books

**Course Coordinator**

