

Course Specification

University: Al Azhar
 Faculty: Medicine
 Department: **Internal Medicine**

1- Data of the course:

Code of the course 501-med	Title of the course: Internal medicine for 5 th year students	Year: 5 th academic year of the MBBCh program Duration of Attachment * 16 weeks in internal medicine department. * 5 days / week = 5x16=80 days. * Each day 2 hours lecture + 2 hours clinical round.
Specialty: Internal medicine	Number of teaching units: 11 units Total hrs: 740 hrs Lectures: 350 hrs Clinical: 350 hrs Tutorial: 40 hrs	- 2 weeks in Thoracic medicine department. - 2 weeks in Cardiology department. - 2 weeks in Tropical medicine department. - 2 weeks in Neurology department. - 2 weeks in Rheumatology department. - 2 weeks in Psychiatry department.

2- Objectives of the course:	The over all objective of internal medicine department is to enable the Undergraduate students to acquire the ability to assess and assist the general health of population and the patients.
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3- ILOs

A- Knowledge and understanding:	<ol style="list-style-type: none"> 1- Recognize the human life cycle and effects of growth, development and aging upon the biologic and clinical manifestation of disease. 2- Recognize the principles of genetics, the role of genetics in health and disease and basic principles of genetic counseling and gene therapy. 3- Describe the aging process in terms of biologic, psychosocial and clinical manifestations as well as knowledge of age-related diseases and various causes of disability in old age. 4- Understand human sexuality and reproductive health (including pregnancy, labour and delivery, normal and abnormal, and medical aspects of infertility and family planning). 5- Recognize non-biological determinants of poor health (e.g: poverty, housing, occupation & life style) and the economic, psychological, social and cultural factors that contribute to the development and /or continuation of maladies (Epidemiology). 6- Knowledge of various causes of illnesses (genetic, developmental, metabolic, toxic, microbiologic, autoimmune, neoplastic, degenerative, and
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	<p>traumatic) and the ways in which they operate on the body (Pathogenesis).</p> <p>7- Knowledge of symptoms and signs, natural history, clinical manifestations, differential diagnosis, early manifestation, normal and abnormal psychological responses and prognosis, of common mental and physical disorders including serious diseases (malignancies & emergencies), disabling diseases, acute illnesses and chronic diseases.</p> <p>8- Describe common diagnostic procedures, scientific basis, their uses, interpretation and limitations and the ability to select appropriate tests for detecting patients at risk for specific diseases or in the early stage of disease.</p> <p>9- Describe therapeutic principles for common health problems: Principles, indications, efficacy, relative advantages and disadvantages of various therapeutic modalities including mental health care, behavioral modification, nutritional and psychological therapies, pharmacotherapy (be familiar with the administration of the essential drugs and their common side effects), surgery, radiotherapy, immunotherapy, physical rehabilitation and amelioration of suffering and disability and other interventions in acute (including emergencies) and chronic illness and end-of-life care.</p> <p>10-The role, prevalence and limitations of alternative and complementary therapies commonly in use.</p> <p>11- Identify principles of health education, basic biostatistics and clinical epidemiology.</p> <p>12- Identify cultural and social factors in health and diseases (Medical Anthropology and Medical Sociology).</p> <p>13- Knowledge of different data resources and its use in practice and research.</p> <p>14- Legal responsibilities of the medical profession.</p> <p>15- A background knowledge of Islamic Juridprudence (Sharia) and fiqh related to contemporary medical practice.</p>
<p>B- Intellectual Skills:</p>	<p>1-Scientific thinking and research methodologies in different branches of internal medicine.</p> <p>2- Behavioral and psychological functions: workings of the mind, interactions between body and mind, and factors which disturb this relationship.</p> <p>3-Formulate diagnosis from data of history and clinical examination</p> <p>4-Develop a mental D.D with the obtained history, and obtain supplemental information from other sources such medical record, family other caregivers.</p> <p>4- Choose appropriate investigation according to the situation</p> <p>5-Interpret results of laboratory data and other investigations</p> <p>6-Development of human abilities, personality and normal physiological and psychological development over the life cycle.</p>

C- Professional Skills:

- 1- Medical history acquisition skills such as, greeting the patients and family, obtain accurate medical history from the patient or other care giver, obtain an accurate past and family history, include the patient demographic and socioeconomic status -Use the diagnostic possibilities suggested by patient complaint, direct history and clinical examination.
- 2-Physical examination skills perform and document a complete or a focused examination for a patient -Perform an emergency direct examination for patients with common emergencies. -Learning the use of tools e.g stethoscope, thermometer, sphygmomanometer and reflex hammer. -Accurately eliciting common physical findings and seek to correlate physical examination with expected disease process.-Apply basic anatomy to physical examination.-Apply standard protective precautions and practicing sterile procedures and proper hygienic practices.
- 3-Comply with infection control guidelines.
- 4- Writing up a history and physical examination in standard format.
- 5-Accurately interpret patient responses and physical findings in terms of their anatomic, pathologic, and functional diagnostic significance.
- 6- Create and prioritize a problem list.
- 7-Develop management strategies for patients with common acute and chronic medical conditions.
- 8- Utilize appropriately human resources.
- 9-Develop a plan for necessary investigations.
- 10- Accurately interpret the clinical impact of lab and diagnostic studies on case management.
- 11- Combine the clinical and investigational database.
- 12- Develop a plan of care for both prevention and treatment of illness.
- 13- Develop prognosis for an individual patient.
- 14- Inform and, advice for patient and his family wherever appropriate regarding health problems.
- 15- Design and implement a comprehensive management plan.
- 16- Arrange for follow up on all problems identified.
- 17- Monitor the patients response to the treatment plan.
- 18- For common pediatric emergency, recognize and manage immediately.
- 19- Identify plan to manage situations which require persistent, support: chronic, complex illness, chronic pain, permanent disability

<p>D- General Skills:</p>	<p>1-To apply ethical principles to clinical work such as to display patience and kindness in order to encourage the patient &his family for complete physical examination, this will give warmth and sense of security.</p> <p>2- Avoid frightening of the patients and accept the unsuitable behavior of some patients as patients in pre-hepatic coma with aggressive behaviours.</p> <p>3- Treatment of the patient as a person, not as a disease.</p> <p>4- To recognize and deal with one's own anxieties, and limitations, because the patient comes unwilling for examination, also he is not aware of his illness.</p> <p>5- Display the soul of trust in dealing with the patients. And keep all his/her private information about his/her illness confidential.</p> <p>6- In dealing with the patient's family, keep resection and evaluate well her wornness and frightening about their patient irrespective of their social or educational level.</p> <p>7- Give good attention and carefulness for all information given by the family about her patient particularly handicaps and severely debilitated patients.</p> <p>8- Respect his colleagues and a commitment to cooperate with other members of the health care team.</p> <p>9- Exhibiting and displaying a professional image (professional" look) in manner, dress, speech and interpersonal relations that is consistent with the medical profession's accepted standards in the community and following the Islamic code medical ethics.</p> <p>10- Accept attitude of self education and self assessment.</p>														
<p>4- Course Content:</p>	<p>1- Cardiology.</p> <p>2- Respiratory system.</p> <p>3- Neurology.</p> <p>4- Gastro-enterology &hepatology.</p> <p>5- Endocrinology.</p> <p>6- Hematology.</p> <p>7- Nephrology.</p> <p>8- Clinical Immunology, Allergy & Rheumatology.</p> <p>9- Infectious diseases.</p> <p>10- E.C.G.</p> <p>11- X-rays.</p> <p>Other specifications included with Internal Medicine: Attached</p> <table border="0"> <tr> <td>1- Cardiovascular system</td> <td>2weeks</td> </tr> <tr> <td>2-Chest diseases</td> <td>2 weeks</td> </tr> <tr> <td>3-Clinical pathology</td> <td>2 weeks</td> </tr> <tr> <td>4-Dermatology</td> <td>2 weeks</td> </tr> <tr> <td>5-Rheumatology/Rehabilitation</td> <td>2 weeks</td> </tr> <tr> <td>6-Nervous diseases/ Psychaitry</td> <td>2 weeks</td> </tr> <tr> <td>7-Tropical medicine</td> <td>2 weeks</td> </tr> </table>	1- Cardiovascular system	2weeks	2-Chest diseases	2 weeks	3-Clinical pathology	2 weeks	4-Dermatology	2 weeks	5-Rheumatology/Rehabilitation	2 weeks	6-Nervous diseases/ Psychaitry	2 weeks	7-Tropical medicine	2 weeks
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5- Methods of teaching:	<ul style="list-style-type: none"> - Lectures - Clinical rounds - Tutorial classes
6- Methods of teaching of handicaps	Not present

7- Students evaluation and assessment:

A- Method of assessment:	<ul style="list-style-type: none"> 1-End round exam 2-End-year exam -Written examination &MCQ -Clinical & OSCE -ECG –X-rays 3-Subspeciality examination after the period of rotation
B- Time of assessment	<ul style="list-style-type: none"> -End-Round: After each group rotation during the academic year - Subspeciality examination after the period of rotation during the academic year -End-year Exam: In November or April
C- Allocated marks/Distribution	<ul style="list-style-type: none"> - 100 marks written exam paper 1. - 100 marks written exam paper 2 + 50 marks M.C.Qs. - 130 marks clinical exam (long case). - 120 marks clinical exam (2 short cases). - 80 marks oral exam (end year). - 20 marks E.C.G. & X rays exam (end year). - 100 marks med round & end round exam. - 80 marks skin, venereal and andrology (end year exam). - 15 marks skin, venereal and andrology (end round exam). - 40 marks clinical pathology exam (end year). - 10 marks for Thoracic medicine, Tropical medicine, Cardiology, Neurology, Psychatry & Clinical pathology as end round exams. (6x10)= 60 marks - 5 marks for Rheumatology (end round exam).

8- Teaching books, notebooks, and references:

- Books/Notebooks:	Departmental books
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Head of the department

Course Coordinator: