Assistant Lecturer
(MD candidate)

Mansoura University
Faculty of Medicine
Internal medicine Department

LOG BOOK

Personal Data

Name: .....

Date of Birth: ...../...../.....

Home Address: .....

Telephone Number: .....

e-mail Address: .....

M.B., B. Ch.:

Date: ...../...../.....
Degree: .....

Present Job:

Work address: .....
Date of appointment: ...../...../.....

Master Degree:

Date of registration: ...../...../.....
Date of graduation (1st part): ...../...../.....
Date of discussion of thesis: ...../...../.....
Date of graduation (2nd part): ...../...../.....
Final degree: .....

MD Degree:

Date of registration: ...../...../.....
Date of graduation (1st part): ...../...../.....
Date of graduation (2nd part): ...../...../.....
Date of discussion of thesis: ...../...../.....
Final degree: .....

Head of the Department

Vice Dean for research and postgraduate study

Contents

Assistant Lecturer

(A) Professional information

(1) Programme Aims:

The broad aims of the Programme are as follows:

MD candidates must be able to provide a high standard patient care that is compassionate and effective for the treatment of internal medical conditions and the promotion of health.

They must treat their patient's conditions with practices that are safe , scientifically based, effective, efficient, timely, cost effective as well as evidence -based.

The program must integrate patient centered care and be prepared to offer consultation for other specialties as well as for junior internal medicine residents.

Postdoctoral graduates are expected to demonstrate the ability to:

1- demonstrate competency in principles and methodology of scientific research in internal medicine.
2- continuously updating knowledge of internal medicine and its specialties.
3- applying analytical methodology and critical appraisal of knowledge of internal medicine and other related specialties.
4- integration and updating of information of specialties of internal medicine with other related specialties such as basic medical sciences.
5- showing awareness of current problems and recent theories in internal medicine specialties.
6- defining professional problems and finding solutions for them.
7- showing competency in wide range of clinical and procedural skills in internal medicine and its specialties.
8- demonstrating the intention for the development of methods, tools and procedures in clinical practice.
9- use of suitable technologies in the field of practice of internal medicine.
10- effective communication and leadership of a healthcare team in different situations including emergencies.
11- making decisions based on available information.
12- efficient use of the available resources and their development and searching for newer resources.
13-being aware of their role in community development and environment protection.
14- acting with integrity, honesty and respecting medical ethics.
15–continuous self development and transfer of knowledge and skills to others.

(2) Intended Learning Outcomes (ILOs):

On successful completion of the programme, the candidate will be able to:

A- Knowledge and Understanding

A 1 **recall the details of the broad spectrum of clinical disorders seen in the practice of internal medicine and show the ability to evaluate patients with an undiagnosed and undifferentiated presentation.**

A 2 **recognize the core content of general internal medicine which includes the internal medicine subspecialties, non internal medicine subspecialties and relevant non clinical topics at a level sufficient to practice internal medicine**.

A 3 **recall the patho-physiological basis of the internal medicine subjects.**
A 4 **demonstrate sufficient knowledge of the theories , principles and updates in the internal medicine specialties and related subjects.**

A 4 **identify and recall principles ,methodology and ethics of scientific research ,both experimental and human and its different tools.**
A 5 **recognize and describe the moral ,ethical and legal principles in the practice of internal medicine .**

A 7 **demonstrate sufficient knowledge of the principles of quality assurance in health care .**
A 8 **showing sufficient knowledge of environmental development and the impact of the medical practice on the environment.**

B- Intellectual skills

B1 **identify strengths, deficiencies, and limits in one's knowledge and expertise and be able to be updated and face challenges.**
B 2 **solve professional problems according to available data and set learning and improvement goals.**

B 3 **identify and perform appropriate learning activities and prepared to be able to transform these activities through teaching.**
B 4 **systematically analyze practice using *quality improvement methods* , and implement changes with the goal of practice improvement.**

B 5 **analyze efficiently case scenarios and refer to the most appropriate diagnosis and possible differential diagnosis and interpret basic clinical tests and images as well as obscure findings.**
B6 **run scientific research and formulate scientific papers.**
B 7 **locate , appraise , and assimilate evidence from scientific studies related to their patient's health problems , i.e. adopt an *evidence based approach* .**

B 8 **use information technology to optimize learning and participate in the education of students. patients , families , students.**
B9 evaluate risks involved in clinical practice.
B10 *be creative and innovative.*

C- Professional/practical skills

C **1show competency in basic and updated clinical examination skills and other procedurs in internal medicine**
C 2 **act in a consultative role to other physicians and health professionals.**

C 3 **perform and interpret laboratory and radiological findings in diagnosis and treatment of internal medical diseases**

C 4**. write and evaluate medical reports and maintain comprehensive , timely, legible medical records if applicable..**

C 5 **use of information technology in the development of clinical practice**

C6 demonstrate competency in performing diagnostic and therapeutic procedures required by the medical consultants including advanced life support CVP , and Sengstaken tube insertion, difficult cases ECG interpretation, stress ECG, echocardiography, endoscopies , Liver biopsy, renal biopsy and lumber puncture, according to their specialization.
C7 **participate in development of clinical practice and evaluation of the performance of others.**

D- Communication & Transferable skills

D 1 **demonstrate the ability to interact with diverse patient population including but not limited to diversity in gender ,age , culture , race ,religion, disabilities.**

D 2 **communicate effectively with physicians , other health professionals and health related agencies.**

D 3 **communicate effectively with patients , families, and the public as appropriate , across a broad range of socioeconomic and cultural backgrounds**

D 4 **teach and evaluate the performance of others including junior residents, house officers, nurses as well as patients and their relatives.**

D 5 **show compassion , integrity and respect of others and respect for patient privacy and autonomy and demonstrate responsiveness to patient needs that supersedes self interest.**

D 6 **be prepared for continuous self learning and self evaluation.**

D7 use different resources for gaining information and knowledge.

D8 work in a team and as a team leader of different working groups.

D9 run scientific meetings and show the ability of time management.

Academic standards for the programme are attached in Appendix I. in which **NARS** issued by the National Authority for Quality Assurance & Accreditation in Education are used. External reference points/Benchmarks are attached in Appendix II.

3.a- External reference points/benchmarks are selected to confirm the appropriateness of the objectives, ILOs and structure of assessment of the programme:

Postgraduate Medical school : Clinical MD in general internal medicine program , Buckingham university , UK.
www.buckingham.ac.uk/medicine/postgrad/med-clinical.html

3.b- Comparison of the specification to the selected external reference/ benchmark:

The aims of the Benchmark are covered by the current program .
There are differences in the credit hours and the time table of the program.
About 85% of the topics of the benchmark are covered in our program.

(4) Curriculum structure and contents:

4.a- Duration of the programme : 42 months.

4.b- programme structure:

Candidates should fulfill a total of 60 credit hours

●4.b.1: Number of credit hours:

First part:**5 credit hours**.

Second part:

Internal medicine course**: 25 credit hours.**.

Log book including clinical training, workshops and training courses on diagnostic procedures, and other scientific activities: **15 credit hours**

Dissertation:**15 credit hours**.

(1) Programme courses:

A –First part: Compulsory courses (First semester, 5 credit hours)

Course Title	Course Code	NO. of hours per week			Total teaching hours
		Theoretical		Total	
		Lectures	seminars		
Applied physiology	MED603	2	1	2	45
Applied pathology	MED605	2	1	2	45
Advanced studies in the medical field: a-Medical statistics. b-Research methodology. c- Use of computers in medical applications.		1		1	12
Total					102 hours

The pathology and physiology courses are covered within the first semester, by the internal medicine department staff in collaboration with physiology and pathology department , in the form of lectures and seminars.

Advanced studies in medical fields consists of one hour lecture for 12 weeks.

In the seminars, the student will present topic related to the course with emphasis on recent advances in this topic, these topics will be included in the final exam for the first part.

B Second part:

The course fulfils 25 credit hours throught 4 semsters concentrating on the state of art and updates in each topic.

It is divided into 4 modules:

Module I, II and III = 6 credit hours each.

Module IV= 5 credit hours + elective course 2 credit hours

Subjects	Lectures	Seminars	Clinical/ Practical	Total teaching hours	Credit hours
Module I: ***Gastroenterology ,*** ***Hepatobiliary &pancreatic disorders*** Oesophgeal disorders Stomach: H pylori- peptic ulcer Gastritis – Gastropathy- Tumours Upper and lower GIT bleeding Small intestine: Malabsorption Tumours Inflammatory bowel disease Constipation - Diarrhea Diverticulosis /Tumours of colon Functional bowl disorders Acute abdomen / Pritoneal diseases Jaundice Acute hepatitis Chronic hepatitis: viral - autoimmune Drug induced- NAFLD Liver cirrhosis & its Complications Liver cell failure /Liver transplantation Liver abscesses and other infections Budd Chiari & Veno-occlusive dis Drugs & the liver Gall bladder: stones, inflammation Tumours Pancreas: pancreatitis , cancer GIT and liver diseases of obscure nature ***Hematology and oncology*** **Hematology:** Anemias: types , classification,diagnosis Bone marrow failure Hemolytic anemia Myeloproliferative disorders Splenomegaly Blood transfusion White cell disorders Hemostasis and thrombosis **Oncology:** Principles of cancer chemotherapy Leukemias / Lymphomas /Myeloma	**3/week**	**2/week**	**4/week**		**6 credit hours**

Module II: ***Endocrinology*** ***Diabetes , Metabolism*** ***And clinical Nutrition:*** Introduction /Hypothalamic disorders Reproduction and pubery & disorders Growth axis: short stature /Tall stature Growth hormone abnormalities Acromegay, gigantism-Hypopituitrism Thyroid : Hypo-hyperthyroidism/Goitre Suprarenal gland: Cushing Hypoadrenalism/ Pheochromocytoma Thirst axis: DI / SIADH Calcium metabolism: Parathyroid disorders Metabolic bone disease Endocrinology of blood pressure Neuro-endocrine tumours / MEN Diabetes and its Complications Hypoglycemia Obesity and metabolic syndrome Inborn errors of metabolism Lipid metabolism and disorders ***Rheumatology and immunology*** Common regional musculoskeletal disorders. OA- RA- Crystal arthritis Inflammatory arthritis Seronegative arthropathy Connective tissue disorders: SLE Systemic vasulitis Rheumatologic disorders in systemic diseases Uric acid disorers Principles of autoimmune disorders Immune deficiency disorders Hypersensitivity	**3/week**	**2/week**	**4/week**		**6 credit hours**

Module III: ***Cardiovascular medicine:*** IHD Acute coronary syndromes Arrythmias Heart failure HTN Rheumatic fever Valvular heart disease Infective endocarditis Cardiac muscle disease Pericardial disease ***Respiratory medicine &Critical care*** Pneumonia Suppurative lung disease Lung tumours Asthma /COPD Resiratory failure /ARDS TB Pleural effusion Intersitial lung disease Sarcoidosis /Alveolitis **Basics of Mechanical ventilation** ***Renal medicine& electrolytes*** Investigation of renal functions Glomerular disorders Nephrotic syndrome Kidney in systemic disorders UTI Interstitial renal disease HTN & vascular disorders & the kidney Calculi Drugs & the kidney Acute renal failure Chronic renal failure Water & electrolytes Acid base disorders Renal replacement therapy	**3/week**	**2/week**	**4/week**		**6 credit hours**
Module IV: ***Neurology & psychiatry*** Mental state assessment Psychiatric aspects of physical diseases Depression and anxiety/Eating disorders Sensory pathway / Motor system Coma / Cerebrovascular strokes Epilepsy Movement disorders / Muscle disease Paraneoplastic syndromes/brain tumours Headache, migraine	**3/week**	**2/week**	**2/week**		**5 credit hours**

Cranial nerves /Peripheral nerve lesions ***Geriatrics*** Basic of geriatric medicine(Common problems in the elderly) ***Infectious diseases*** Viral infections Bacterial infections: Brucellosis /Typhoid Parasitic diseases Fungal infections STDS /HIV Emerging viral infections ***General internal medicine*** History taking and examination Ethics and communication Chest pain / Dyspnea / Polyuria Syncope PUO Fatigue Laboratory interpretation Imaging techniques and interpretation Evidence based medicine Steps of EBM and some critical appraisal skills ***Emergency medicine*** Shock Pulmonary embolism Cardiac arrest and brain death Advanced life support (ALS) Workshop by ERC					
Elective course: One of the following is chosen by the candidate: • **Advanced endoscopic procedures** • **Advanced immunology course** • **Organ transplantation course** • **Evidence based medicine course** • **Diabetic foot course** • **Renal dialysis course**	**1/week**		**2/week**		**2 credit hours**
Practical procedures (fulfilled as logbook activities) **Difficult cases ECG interpretation** **Stress ECG** **Echocardiography** **Endoscopy**					

Liver biopsy **Renal biopsy** **Lumber puncture**					

B. MD Degree Course:

Scientific Lectures (1st part):

Date	Title	Supervisor

Scientific Lectures (2nd part):

Date	Title	Supervisor

Scientific Lectures (2nd part):

Date	Title	Supervisor

Clinical Training Courses (2nd part):

Date	Training Subject	Supervisor

Clinical Training Courses (2nd part):

Date	Training Subject	Supervisor

A. MD Degree Thesis:

Title: .....

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Supervisors:.....

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Summary of the Thesis: .....

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B.Scientific Activities:

Seminars:

Date	Subject	Supervisor

Conferences:

Date	Conference	Supervisor

Thesis Discussion:

Date	Thesis discussed	Supervisor

Training Courses and Workshops:

Date	Training Subject	Supervisor

Seminars and journal club :

Date	Section Subject	Supervisor

Date	Section Subject	Supervisor

Case presentations:

Date	Activity	Supervisor