COURSE SPECIFICATION

(Internal Medicine- HEM 610)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Doctorate degree of clinical hematology/HEMA 600
(2) Department offering the programme:	Internal Medicine Department
(3) Department responsible for teaching the course:	Internal Medicine Department
(4) Part of the programme:	Second part
(5) Date of approval by the Department`s council	26/04/2016
(6) Date of last approval of programme specification by Faculty council	9/08/2016
(7) Course title:	Internal Medicine
(8) Course code:	HEM 610
(9) Credit hours	9 hours theoretical 6 hours clinical
(10) Total teaching hours:	9x15-135 6x30-180 315 hours

(B) Professional information

(1) Course Aims:

The aim of the internal medicine course is to provide the candidate with core competencies of patient care, medical knowledge, practice-based performance improvement, professionalism, system-based practice and interpersonal and communication skills in different aspects of internal medicine practice to be able to demonstrate high standard, safe, effective as well as evidence based treatment and patient care. The course prepare the candidate to across the spectrum of medical disorders seen in practice of general internal medicine and their relation to clinical hematology subspecialty and non-internal medicine specialties in both inpatient and emergency settings; using clinical skills of interviewing and physical examination, laboratory and imaging results appropriately.

(2) Intended learning outcomes (ILOs):

A- Knowledge and Understanding:

A1: To demonstrate biomedical and clinical knowledge and to be able to apply these knowledge to grasp the spectrum of clinical symptomatology related to different medical and hematological disorders.

A2: To provide knowledge and counselling in clinical rotation to other junior physicians

A3: To illustrate general approach to patients with acute medical emergencies, including acute hematological disorders, and to demonstrate the updated guidelines for diagnosis and treatment.

A4: To illustrate the appropriate, effective, safe, and timely hospital and home care as a palliative health care and treatment.

A5: To comprehend thoroughly care and management of geriatric patients with hematologic disorders. The candidate is expected to demonstrate the following:

A5a: A practical understanding of the effects of specific changes associated with aging and their impact on normal hematologic processes (e.g. hematopoiesis, hemostasis) and on the biology, natural history, diagnosis and management of hematologic diseases in the elderly person .

A5b: A working knowledge of the impact of age on the pharmacology, pharmacokinetics and side effect profiles of drugs used to treat hematologic disorders .

A5c: A working knowledge of how to perform and use a geriatric assessment in evaluating and managing their elderly patients .

A5d: An experience assessing quality of life measures in their patients.

A5e: Knowledge of areas of hematology in need of research in the geriatric population.

A6: To identify concepts of supportive care, including hematologic, infectious disease, and nutrition

B- Intellectual skills:

B1: To obtain clinical information effectively and efficiently using standard guidelines and to be able to correlate them with laboratory and radiological results to approach diagnosis of medical disorders.

B2: To interpret the results of blood smears, bone marrow aspiration, and biopsy to diagnose medical disorders.

C- Practical/professional skills

C1: To guide and lead junior colleagues in clinical rotation on how to clinically approach cases, interpret the results of diagnostic procedures and decide therapeutic plan

C2: To educate patients about the rationale, technique, and complications of procedures and in obtaining procedure-specific informed consent.

C3: To manage and take care of indwelling venous access catheters

D- Transferable/communication skills

D1: To display competency in team leading attitudes and skills in both regular practice and emergency settings.

D2: To participate effectively and actively in a multidisciplinary case management conference or discussion.

D3: To demonstrate an awareness of and responsiveness to the larger context and system of health care, as well as the ability to call effectively on other resources in the system to provide optimal health care.

D4: To work effectively in various health care delivery settings and systems relevant to their clinical specialty and to coordinate patient care within the health care system relevant to their clinical specialty.

D5: To work in inter-professional teams to enhance patient safety and improve patient care quality.

D6: To demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Candidates are expected to demonstrate:

D6a: compassion, integrity, and respect for others;

D6b: responsiveness to patient needs that supersedes self-interest;

D6c: respect for patient privacy and autonomy;

D6d: accountability to patients, society and the profession; and,

D6e: sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.

(3) Course content: (9 credit hrs x15=135 theoretical/6 credit hrsx30=180 clinical/315 hours)

Subjects	Lectures	Clinical rotations
(1) Kidney: • Nephrotic syndrome • Acute renal failure. • Chronic renal failure. • Renal affection in systemic diseases	15	25
(2) Water and electrolyte: • Acid base balance.	5	4
(3) Endocrine: • Diabetes mellitus. • Hyper-hypofunction of endocrine glands.	10	6
(4) Metabolic disorders: • Dyslipidemia. • Dysproteinemia • Amyloidosis • Gout • Porphyria • Osteoprosis and Osteamalacia	15	20
(5)Rheumatology: • Rheumatoid arthritis • S.L.E • Collagen disease • Polyartritis nodosa	15	25
(6) FEVERS • PUO • Brucellosis • Rickietsial disease • Spirochetal diseaese • Fever with rash • Fever with splenomegaly • Fever with jaundice	15	20
(7) CVS	20	25

• Heart failure • Hypertension • Pulmonary embolism • Cardiomyopathy		
(8) Chest • Pneumonias • Fungal disease of the lung • Respiratory failure • Pleural effusion	20	25
(9)GIT and the liver • Drug induced liver affection • Malabsorbtion syndromes • Hepatitis • Jaundice • Liver cell failure	15	25
(10) Ethics • Medical ethics • Medical malpractice • Ethics in research • Research methodology	5	5
Total teaching hours	135	180

(4) Teaching methods:

4.1: Power Point presentation.

4.2: Case discussion.

4.3: Focus group.

(5) Assessment methods:

5.1: Written exam for assessment of knowledge, intellectual ILOs

5.2: Oral exam for assessment of knowledge, intellectual ILOs, transferable skills

5.3: OSCE and Clinical exam for assessment of knowledge, intellectual, practical and transferable skills ILOs

5.4: MCQ continuous assessment for assessment of knowledge, intellectual ILOs

Assessment schedule:

Final exam at the completion of the programme according to the bylaw with total of 300 marks.

Mcq continuous assessment at the end of each semester: 20 marks

Percentage of each Assessment to the total mark:

Written exam: 80 marks

Clinical and OSCE exam: 100 marks

Structured Oral exam: 100 marks

(6) References of the course:

6.1: Text books: - Harrisons Principles of Internel Medicine.

-Cesil Medicine.

-Davidson's Principles and Practice of Medicine.

- Kumar and Clark Clinical Medicine.

(7) Facilities and resources mandatory for course completion:

-Lectures Halls.

-Data show.

Course coordinator: Dr Mona Taalab

Head of Hematology Unit: Prof Mohamed Nasr Mabed

Head of the Internal Medicine Department: Prof. Dr. Salah Al-Gamal

Date of First Approval: 22/12/2010

Date of Last Approval: 26/04/2016