COURSE SPECIFICATION

(Internal Medicine)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Master degree of clinical hematology/HEMA 500
(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	30/04/2012
(6) Date of last approval of programme specification by Faculty council	9\8\2016
(7) Course title:	Internal Medicine
(8) Course code:	HEM 510
(9) Total teaching hours:	120 hours theoretical 210 hr clinical
(10) Credit hours	8 hours theoretical–7 hr clinical

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1- To educate the candidate the value of acid –base balance & it's correlation to hematological diseases.
2- For proper diagnosis & manage collagen disorders as Rheumatoid arthritis, S.L.E, polyarthritis nodosa.
3- To focus on diagnosis and management of some acute emergencies as ARF, diabetes mellitus, heart failure, respiratory failure, pneumonia & liver cell failure

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

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

A- Knowledge and Understanding deficient as the outcomes of somee coourse contents are not described

A 1: To recognize the multisystem reflection of common hematological disorders

A2: To identify the principles of diagnosis and treatment of diabetes, hypertension, other metabolic diseases, collagen and rheumatologic diseases, fevers, cardiovascular and respiratory diseases, gastrointestinal and hepatic diseases, and common CNS diseases..

A3: To identify effects of systemic disorders and drugs on the blood, blood forming organs, and lymphatic tissues.

A4: To identify concepts of supportive, intensive and palliative care, including control of infectious disease, and proper nutrition. Not mentioned in the course contents

B- Intellectual skills :

B3: To construct meaningful, supervised research experience with appropriate protected time either in blocks or concurrent with clinical rotations while maintaining the essential clinical experience. Non specific non measurable

B8: To integrate etiology, epidemiology, natural history, diagnosis, pathology, staging and management of different medical diseases, effect on the blood, blood forming organs and lymphatic tissues.

C- Professional/practical skills

C3: To demonstrate competence in the performance and/or (where applicable) interpretation of assessment of imaging by computed tomography, magnetic resonance, PET scanning and nuclear imaging techniques;

C7: To demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Candidates are expected to demonstrate: this is a communication skill not practical

C7a: compassion, integrity, and respect for others;

C7b: responsiveness to patient needs that supersedes self-interest;

C7c: respect for patient privacy and autonomy;

C7d: accountability to patients, society and the profession; and,

C7e: sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation

C8: To apply indications, contraindications, limitations, complications, techniques, and interpretation of results of those diagnostic and therapeutic procedures integral to the discipline.

C8a: to educate patients about the rationale, technique, and complications of procedures and in obtaining procedure-specific informed consent.

D- Communication & Transferable skills

D1: To develop personal attitudes and coping skills in care for critically ill patients.

D2: To participate 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.

D7: To advocate for quality patient care and optimal patient care systems.

D8: To work in inter-professional teams to enhance patient safety and improve patient care quality.

D9: To participate in identifying system errors and implementing potential systems solutions.

D10: To demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health

Professionals.

D10a: To communicate effectively with patients, families, and the public, as appropriate, across a broad range of socioeconomic and cultural backgrounds;

D10b: To communicate effectively with physicians, other health professionals, and health related agencies;

D10c: To work effectively as a member or leader of a health care team or other professional group;

D10d: To act in a consultative role to other physicians and health professionals; and,

D10e: To maintain comprehensive, timely, and legible medical records, if applicable.

(3) Course content: the course should be divided into modules and th teaching hours (120 total hours) distributed over the modules
and the clinical skills should be listed in a separate table over which 210 clinical teaching hours should be distributed

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
(1) Kidney: • Nephrotic syndrome • Acute renal failure. • Chronic renal failure.					
(2) Water and electrolyte: • Acid base balance. • Electrolytes balance					
(3) Endocrine: • Diabetes mellitus. • Hyper-hypofunction of endocrine glands.					
(4) Metabolic disorders: • Dyslipidemia. • Dyspreteinemia • Amyloidosis • Gout • Porphyria • Osteoprosis and Osteamal					
(5)Rheumatology: • Rheumatoid arthritis • S.L.E • Collagen disease • Polyartritis nodosa					

(6) FEVERS • PUO • Brucellosis • Rickietsial disease • Spirochetal diseases • Fever with rash • Fever with splenomegaly • Fever with jaundice					
(7) CVS • Heart failure • Hypertension • Pulmonary embolism • Cardiomyopathy					
(8) Chest • Pneumonias • Fungal disease of the lung • Respiratory failure • Pleural effusion					
(9)GIT and the liver • Drug induced liver affecti • Malabsorbtion syndromes • Hepatitis • Jaundice • Liver cell failure					
(11) Ethics • Medical ethics • Medical malpractice • Ethics in research • Research methodology					

(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 skills

5.2: Oral exam for assessment of (knowledge, intellectual,

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

5.4: MCQ exam continuous assessment for assessment of Knowledge, intellectual skills

Assessment schedule:

Assessment 1: Final exam after 30 months of MS registration or 36 months of admission to the job

MCQ continuous assessment at the end of each semester

Percentage of each Assessment to the total mark:

Written exam: 160 marks

OSCE Clinical exam: 100 marks

Structured Oral exam: 100 marks

MCQ continuous assessment: 40 Marks

References of the course:

6.1: Text books-Harrisons Principles of Internal Medicine.

-Cesil Medicine.

-Davidsons Principles and Practice of Medicine.

- Kumar and Clark Clinical Medicine.

(6) Facilities and resources mandatory for course completion:

-Lectures Halls

-Data show

-Patients wards

Course coordinator: Prof Dr Sameh Shamaa

Prof Dr Mohamed Mabed

Prof Dr Emad Azmy

Head of Hematology Unit: Prof Mohamed Nasr Mabed

Head of the department: Prof Salah Al-Gamal