COURSE SPECIFICATION

(Internal Medicine)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Master degree of Medical Oncology
(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	2/08/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Internal Medicine
(8) Course code:	MONC 510
(9) Total teaching hours:	Theoretical: 120 hours/45 Weeks Clinical: 210 hours/ 45 Weeks Total: 330 hours/45 Weeks

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1. To provide candidate with medical knowledge and skills essential for proper diagnosis and management of patients in the field of Medical Oncology including diagnostic, problem solving and decision-making for practicing of Medical Oncology efficiently and properly according to the international standards and necessary to gain further training and practice in the field.
2. To allow the candidate to develop his intellectual potential, critical reflection and clinical reasoning skills, enabling an ability to evaluate, enhance and influence his own professional practice and that of others in the context of health care provision in the Egypt and internationally.
3. To provide the candidate with an opportunity to enhance his knowledge of practice developments and develop a critical understanding of these and the underpinning evidence base.
4. To educate the candidate abilities necessary for continuous medical education.
5. To enable the candidate to understand and get the best of published scientific research and do the best of published scientific research and do their own research and be aware of different research methodology.
6. To enable the candidate to pursue higher studies.
7. To create a learning environment that allows the candidate to share ideas and experiences and promotes peer discussion, feedback and support.

(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:

A1. Identify concepts of supportive care, including hematologic, oncologic, and infectious disease

A2. Recognize rehabilitation and psychosocial aspects of clinical management of patients with Oncologic disorders.

A3. Identify diagnosis and management of different hematological disorders.

A4. Discuss diagnosis and management of different co-morbid diseases that may be associated with cancer patients.

A5. Identify the basic principles of research, including how such research is conducted, evaluated, explained to patients, and applied to patient care.

B- Intellectual skills;

B1. Evaluate and improve methods and tools used in diagnosis & management of diseases associated with cancer patients.

B2. Critically analyze relevant health and social policy, legal, ethical and professional issues relating to autonomous clinical practice.

B3. Assemble clinical symptoms, signs and results of laboratory and radiological investigations for proper diagnosis.

C- Professional/practical skills

C1. Apply professional courses for appropriate use of antibiotic regimens for treatment and prophylaxis in the immunosuppressed patient.

C2. Apply multidisciplinary team work for managing complication.

C3. Apply evidence based medicine from updated reference.

C4. Construct meaningful, supervised research experience with appropriate protected time either in blocks or concurrent with clinical rotations while maintaining the essential clinical experience.

C5. Apply indications, contraindications, limitations, complications, techniques, and interpretation of results of those diagnostic and therapeutic procedures integral to the discipline.

C- Communication & Transferable skills

D1. Develop personal attitudes and coping skills in care for critically ill patients.

D2. Participate in a multidisciplinary case management conference or discussion.

D3. 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. Work effectively in various health care delivery settings and systems relevant to their clinical specialty.

D5. Coordinate patient care within the health care system relevant to their clinical specialty.

D6. Incorporate considerations of cost awareness and risk-benefit analysis in patient and/or population-based care as appropriate.

D7. Advocate for quality patient care and optimal patient care systems.

D8. Work in inter-professional teams to enhance patient safety and improve patient care quality.

D9. Participate in identifying system errors and implementing potential systems solutions.

D10. Demonstrate interpersonal and communication skills that result in the effective exchange of information and collaboration with patients, their families, and health professionals.

D11. Demonstrate a commitment to carrying out professional responsibilities and an adherence to ethical principles. Candidates are expected to demonstrate:

i. Compassion, integrity, and respect for others;
ii. Responsiveness to patient needs that supersedes self-interest;
iii. Respect for patient privacy and autonomy;
iv. Accountability to patients, society and the profession; and,
v. Sensitivity and responsiveness to a diverse patient population, including but not limited to diversity in gender, age, culture, race, religion, disabilities, and sexual orientation.

D12. To educate patients about the rationale, technique, and complications of procedures and in obtaining procedure-specific informed consent.

(3) Course content:

A. Module 1:

Subjects	Lecture	Clinical	Laboratory	Field	Total Teaching
1. CVS: • **Heart failure.** • **Rheumatic fever** • **Hypertension.** • **Pulmonary embolism.** • **Cardiomyopathy.**	8h	20h			
2. Chest: • **Pneumonias.** • **TB** • **Fungal disease of the lung.** • **Respiratory failure.** • **Pleural effusion.**	10h	20h			
3. Metabolic disorders: • **Dyslipidemia.** • **Dysproteinemia** • **Amyloidosis** • **Gout** • **Porphyria** • **Osteoporosis and Osteamalacia**	14h	20h			

B. Module 2:

Subjects	Lecture	Clinical	Laboratory	Field	Total Teaching
1. Kidney: • **Nephrotic syndrome** • **Nephrotoxic drugs** • **Acute renal failure.** • **Chronic renal failure.**	6h	16h			
2. Water and electrolyte: • **Acid base balance.** • **Electrolytes balance**	6h	14h			

3. Endocrine: • **Diabetes Mellitus.** • **Hyper-hypofunction of endocrine glands.**	16h	30h			
4. Hematology: • **Anemias** • **MDS** • **Coagulation disorders** • **Thrombophilia** • **Platelets disorders**	20h	40h			

C. Module 3:

Subjects	Lecture	Clinical	Laboratory	Field	Total Teaching
1. GIT and the liver: • **Drug induced liver affection.** • **Mal-absorption syndromes.** • **Hepatitis.** • **Cirrhosis** • **Jaundice.** • **Liver cell failure.**	20h	26h			
2. Ethics: • **Medical ethics** • **Medical malpractice** • **Ethics in research** • **Research methodology**	4h				
3. Rheumatology: • **Rheumatoid arthritis** • **S.L.E** • **Collagen disease** • **Polyartritis nodosa**	6h	8h			
4. Fevers: • **PUO** • **Brucellosis** • **Rickietsial disease** • **Spirochetal disease**	10h	16h			

• **Fever with rash** • **Fever with splenomegaly** • **Fever with jaundice**					
Total	120h	210h			330h

(4) Teaching methods:

4.1: Power Point presentation.

4.2: Case discussion.

4.3: Focus group.

4.4:Clinical Training in clinical wards (Details are included in logbook) 6 months in different units of the internal medicine department, with attendance of activities including discussions, clinical rounds, outpatients clinics, procedures…with both senior and junior staff.

(5) Assessment methods:

5.1: Written exam for assessment of A1-5, B1-3.

5.2: MCQ exam for assessment of A1-5, B1-3.

5.3: Structured Oral exam for assessment of A1-5, B1-3, C1-5, D1-12.

5.4: OSCE for assessment of A1-5, B1-3, C1-5, D1-12.

(6) Assessment schedule:

Assessment 1: Final exam week/month: 45th week

Percentage of each Assessment to the total mark:

- Written exam: 160 marks %: 40% of total internal medicine exam.
- MCQ exam; 40 marks %: 10% of total internal medicine exam.
- OSCE exam: 100 marks %: 25% of total internal medicine exam.
- Structured Oral exam: 100 marks %: 25% of total internal medicine exam.

Internal Medicine exam represents 44.4 % of total marks of second part.

(7) 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.

(8) Facilities and resources mandatory for course completion:

- Lectures Halls
- Data show
- Patients wards
- Outpatients clinics

Course coordinator:

Prof. Sameh Shamaa

Prof. Tawfik Elkhodary

Dr. Ziad Emarah

Head of the department:

Prof. Salah El-Gamal

Date of First Approval: 22/12/2010

Date of Last Approval: 23/08/2016