COURSE SPECIFICATION

(Internal Medicine)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate Doctor degree of Medical Oncology MONC 610
(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 610 MONC 610 HT
(9) Total teaching hours:	Theoretical: 210 hours/20 months Clinical: 240 hours/ 20 months

	Total: 285 hours/20 months

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows:

1. Prepare the candidate for Systems-based Practice where they must 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.
2. Prepare physicians as senior practitioners, educators, researchers, and administrators capable of practicing medical oncology in academic and clinical settings. The curriculum advances students' knowledge of the basic principles of research, including how research is conducted, evaluated, explained to patients, and applied to patient care.
3. Construction of appropriate, optimal management strategies (both diagnostic and therapeutic) for patients with malignant diseases.
4. To give our candidate the ability to apply the principles of medicine to identify cancer patient with comorbidities and to manage these comorbidities.
5. Providing opportunities to gain knowledge, clinical experience and ethical attitude in practicing oncology and to demonstrate the capability to reconstruct cases scenario.

(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

The Postgraduate Degree provides opportunities for candidates to achieve and demonstrate the following intellectual qualities

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.

D- 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:

a. Compassion, integrity, and respect for others;
b. Responsiveness to patient needs that supersedes self-interest;
c. Respect for patient privacy and autonomy;
d. Accountability to patients, society and the profession; and,
e. 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.**	18.5h	19.5h			38h
2. Chest: • **Pneumonias.** • **TB** • **Fungal disease of the lung.** • **Respiratory failure.** • **Pleural effusion.**	15h	18h			33h

B. Module 2:

Subjects	Lecture	Clinical	Laboratory	Field	Total Teaching
1. Endocrine: • **Diabetes Mellitus.** • **Hyper-hypofunction of endocrine glands.**	15h	17h			32h
2. Hematology: • **Anemias** • **MDS** • **Coagulation disorders** • **Thrombophilia** • **Platelets disorders**	19h	20.5h			39.5h

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.**	12h	14h			26h
2. Ethics: • **Medical ethics** • **Medical malpractice** • **Ethics in research** • **Research methodology**	4h				4h
3. Kidney: • **Nephrotic syndrome** • **Nephrotoxic drugs** • **Acute renal failure.** • **Chronic renal failure.**	12h	14h			26h
4. Water and electrolyte: • **Acid base balance.** • **Electrolytes balance**	6h	9.5h			15.5h

D. Module 4:

Subjects	Lecture	Clinical	Laboratory	Field	Total Teaching
3. Rheumatology: • **Rheumatoid arthritis** • **S.L.E** • **Collagen disease** • **Polyartritis nodosa**	9.5h	7.5h			17h
4. Fevers: • **PUO** • **Brucellosis** • **Rickietsial disease** • **Spirochetal disease** • **Fever with rash** • **Fever with splenomegaly** • **Fever with jaundice**	10h	16h			26h
3. Metabolic disorders: • **Dyslipidemia.** • **Dysproteinemia** • **Amyloidosis** • **Gout** • **Porphyria** • **Osteoporosis and Osteamalacia**	14h	14h			28h
Total	135h	150h			285h

(4) Teaching methods:

4.1: Power Point presentation.

4.2: Case discussion.

4.3: Focus group.

4.4: Clinical rounds

(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.

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

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

Assessment schedule:

Assessment: Final exam at 20th month.

Percentage of each Assessment to the total mark:

Written exam: 80 Marks: 26.7 % of total Medical Oncology marks.

MCQ; 20 marks: 6.7% of total Medical Oncology marks.

OSCE: 100 Marks: 33.3% of total Medical Oncology marks.

Structured Oral exam: 100 Marks: 33.3% of total Medical Oncology marks.

Internal Medicine marks represent 33.3% of total marks of second part.

(6) References of the course:

6.1: Text books: - Harrisons Principles of Internal 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

-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