



COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	Essentials of treatment of cancer
(2) Department offering the programme.	General surgery
(3) Department responsible for teaching the course.	General surgery
(4) Part of the programme.	First part MD Surgical Oncology
(5) External evaluator(s)	Prof. Dr. Gamal Emiera, National cancer institute, Cairo university
(6) Date of approval by the Department`s council	8 / 8 /2016
(7) Date of last approval of programme specification by Faculty council	9/8/2016
(8) Course title.	Essentials of treatment of cancer
(9) Course code.	SONC 620 CT
(10) Credit hours.	1 hour theoretical
(11) Total Teaching hours	15 hour theoretical

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows.

- 1- To prepare our candidates to acquire knowledge, competencies, skills and applications in different branches of cancer treatment.
- 2- To give our candidate the ability to integrate the knowledge of different therapeutic modalities properly in service of Oncology.

Within the overall aim, the objectives of the Programme are as follows:

1. Teaching the basic medical science related to essentials of treatment of cancer.
2. Teaching the main topics of Cancer therapy with different factors that play a role in the choice of treatment approach.

(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

- A14-List different surgical treatment modalities used in cancer patient and mention briefly examples for their applications.
- A15-Dicuss different machines and methods used for production of radiotherapy beams.
- A16-Identify different types of radiotherapy and mention examples for their applications.
- A17-Describe side effects of radiotherapy and how to manage briefly.
- A18-Classify cancer chemotherapy.
- A19-Recognize the commonly used chemotherapeutic agents, their indication and associated major side effects.
- A20-Dicuss role of hormonal therapy in cancer treatment.
- A21-Dicuss role of hyperthermia in cancer treatment.
- A22-Discuss role of gene therapy in cancer treatment.
- A23-Identify how to produce photodynamic therapy and list their uses.
- A24-Dicuss role of laser in cancer treatment.
- A25-Enumerate different immunotherapies used for cancer and discuss their use.

B- Intellectual skills

B5-Employ the knowledge of different therapeutic options of cancer therapy to tailor treatment plan for each cancer patient.

(2) Course content:

Title	Teaching hours
Surgical treatment of cancer	2 hours
Radiotherapy in cancer treatment	3 hours
Cancer chemotherapy	3 hours
Hormonal therapy in cancer treatment	1 hour
Hyperthermia in cancer treatment	1 hour
Gene therapy in cancer treatment	1 hour
Photodynamic therapy in cancer treatment	1 hour
Laser in cancer treatment	1 hour

Immunotherapy of cancer

2 hours

(3) Teaching methods:

Lectures

(4) Assessment methods:

Written and MCQ exam for assessment of knowledge & intellectual skills.

Percentage of each assessment to the total mark.

Written exam: 40 marks represent 80% of the total marks

MCQ exam: 10 marks represent 20% of the total marks

Other assessment without marks: logbook

(5) References of the course:

5.1: **Hand books:** Department Essentials of treatment of cancer lecture notes.

5.2: **Text books:** Surgical oncology: contemporary principles & practice.

5.3: **Journals:** Cancer research and treatment.

5.4: **Websites:** www.cancer.gov

5.5: **Others.**

(6) Facilities and resources mandatory for course completion.

Lecture halls

(7) Evaluation of Programme's intended learning outcomes (ILOs):

Evaluator	Tools*	Signature
Internal evaluator (s) Prof. Dr. Nazem Shams Prof. Dr. Adel Denewer Prof. Dr. Sherif Zaki Kotb Prof. Dr. Ahmed Seteet Prof. Dr. Mohamed Hegazy	Focus group discussion Meetings	
External Evaluator (s)	Reviewing according to external evaluator checklist	

Prof. Dr. Gamal Emiera, National cancer institute, Cairo university	report.	
Senior student (s)	none	
Alumni	none	
Stakeholder (s)	none	
Others	none	

* TOOLS= QUESTIONNAIRE, INTERVIEW, WORKSHOP, COMMUNICATION, E_MAIL

We certify that all information required to deliver this programme is contained in the above specification and will be implemented. All course specification for this programme is in place.	
Head of the department: Prof. Dr. Nazem Shams Professor of Surgical Oncology, Mansoura University	Signature & date:
Dean: Prof.Dr. Elsaid Mohamed Abdelhady	Signature & date:
Executive director of the quality assurance unit: Prof.Dr. Seham Gad El-Hak	Signature & date: