



## COURSE SPECIFICATION

**(Pathology of Tumors)**

Faculty of Medicine–MansouraUniversity

### **(A) Administrative information**

(1) Programme offering the course.	Postgraduate MD degree of Clinical Oncology and Nuclear Medicine/ CONM600
(2) Department offering the programme.	Clinical oncology and nuclear medicine department
(3) Department responsible for teaching the course.	Clinical oncology and nuclear medicine department
(4) Part of the programme.	First part
(5) Date of approval by the Department`s council	14/5/2016
(6) Date of last approval of programme specification by Faculty council	
(7) Course title.	Pathology of Tumors

(8) Course code:	<b>CONM 605</b>
(9) Credit hours:	<b>5 hours</b>
(10) Total teaching hours	<b>75 hours lectures</b>

**(B) Professional information**

**(1) Course Aims:**

The broad aims of the course are as follows: (either to be written in items or as a paragraph)

- 1- Educate the different pathologic types of different malignancies.
- 2- Teach the genetic basis of different types of cancers
- 3- Provide the candidates with pathology of cancer of different body parts.

**(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**

**The trainee should: know and understand:**

- A1:** Identify carcinogenesis and tumors growth.
- A2:** Discuss hormones and cancer.
- A3:** Describe tumor markers.
- A4:** Describe pathology of different body parts.

## **2- Intellectual activities (I)**

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

### **B- Intellectual skills**

**B1:** Differentiate between benign and malignant tumors.

**B2:** Distinguish the biology of tumor growth.

**B3:** Recognize spread of malignant tumors.

**(3) Course content:**

<b>Subjects</b>	<b>Lectures</b>
*General pathology: -Neoplasia	4
-Tumor growth	4
-Carcinogenesis	4
-Tumor markers	4
-Hormones & cancers	4
*Special pathology:  -pathology of head and neck tumors.	4
- pathology of brain malignancies.	4
-pathology of lung and pleural ca	4
- pathology of gastro-intestinal malignancies	4
-pathology of female genital system tumors	4
- pathology of male genital system tumors	4
* pathology of urothelial system tumors	3
* pathology of breast cancer	4
*pathology Soft tissue	

sarcomas	4
*pathology of Bone sarcomas	
*pathology of Skin cancer and melanomas.	4
	4
*pathology of Cancer of the endocrine system ( thyroid, parathyroid, adrenals, pancreas, carcinoid).	4
* pathology of Solid tumors of childhood.	4
*Leukemias, lymphomas and plasma cell neoplasms.	4

**(4) Teaching methods:**

4.1. lectures

**(5) Assessment methods:**

5.1. written exam for assessment of Knowledge and intellectual skills.

MCQ exam for assessment of Knowledge and intellectual skills.

Assessment schedule:

Assessment 1: written exam held after 6 months of registration (80 marks)

Assessment 2: MCQ exam.( 20 marks)

**(6) References of the course:**

6.1: Text books:

- **Perez CA, Brady LW, Halperin EC, et al.,** editors. *Principles and Practice of Radiation Oncology*. 5<sup>th</sup> ed. Philadelphia: Lippincott Williams & Wilkins; 2008.
- **Hansen EK and Roach M.:** *Handbook of Evidence-based Radiation Oncology*. 1<sup>st</sup> edition. New York: Springer Science+ Business Media, LLC; 2007.
- **Casciato DA,** editor. *Manual of clinical oncology*. 6<sup>th</sup> edition. Philadelphia: Lippincott Williams & Wilkins; 2009.
- **DeVita VT, Hellman S, Rosenberg SA,** editors. *Principles and Practice of Oncology*. 8<sup>th</sup> ed. Philadelphia: Lippincott; 2008.

**(7) Facilities and resources mandatory for course completion.**

Candidates and their learning are supported in a number of ways:

- Candidates logbook
- Programme Specification
- Extensive library and other learning resources
- Computer laboratories with a wide range of software
- Intranet with a wide range of learning support material
  - MSc/MD Dissertation Supervisor

Course coordinator:

Professor: Mohamed Elawady.

Assistant Professor: Ghada Ezzat Eladawei

**Head of the department.**

**Professor : Ibrahim Awad.**

**Date:**

**P.S. This specification must be done for each course.**