



COURSE SPECIFICATION

(Pathology OF TUMOURS)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Doctorate degree of Medical Oncology
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Pathology Department
(4) Part of the programme.	First 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.	Pathology of Tumours
(8) Course code.	MONC 605
(9) Total teaching hours.	15 hours/15 weeks

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows.

To provide the candidate with basic principles of pathology of hematological tumors with special emphasis on carcinogenesis and diagnostic procedures.

(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. Discuss the molecular and cell biology of cancer and application to biomarker discovery, validation and use, cancer risk and prevention, cancer therapy, cancer drug target discovery and clinical testing.
- A2. Memorize the key concepts in the diagnosis, prognosis and treatment of cancer.
- A3. Describe the morphological features of different types of tumors.
- A4. Describe and discuss characteristic morphological pattern (macroscopic and microscopic) of different tumors within different body systems and their underlying pathogenesis and molecular basis.
- A5. Know cytopathology, immunity and tumor immunity & immunohistochemistry in full details and know diagnostic tools in pathology.

B- Intellectual skills

- B1. Analyze steps of carcinogenesis and their molecular basis with explanation of the underlying disturbances in proto-oncogenes, tumor suppressor genes and DNA repair genes.
- B2. Appraise the role of molecular pathology in understanding and treating cancer.

(3) Course contents.

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
1) Pathology as a part of Multi-disciplinary strategy for cancer management	1h				1h
2) Value of Immunohistochemistry in oncology	1h				1h
3) Pathology of lymphoid tissue neoplasia and leukemia	2h				2h
4) Pathology of breast cancer	2h				2h
5) Pathology of Lung Cancer	1h				1h
6) Pathology of GIT tumours	1h				1h
7) Pathology of tumours of liver & hepatobiliary system	2h				2h
8) Pathology of bladder cancer	1h				1h
9) Pathology of cancer prostate & testicular cancer	2h				2h
10) Pathology of ovarian & uterine cancer	2h				2h

(4) Teaching methods.

1. Modified lectures: which start by listing the objectives and are given in either; white board, electronic, slide projector or overhead projector presentation.
2. Small group discussions and case studies to provide clinical correlation and integration.
3. Self-directed learning.
4. Problem Solving.

(5) Assessment methods.

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

Assessment schedule.

Assessment 1: Final exam week/month: 15th week

Percentage of each Assessment to the total mark.

Written exam:	80 marks	80% of total course exam.
MCQ exam	20 marks	20% of total course exam.

(5) References of the course.

- 5.1: Hand books: General pathology for medical students, Pathology department.
Faculty of medicine, Mansoura University
- 5.2: Text book: -Robbins text book of Pathology
 - Ackerman's surgical pathology
 - Sternberg surgical pathology and soft tissue tumors

(6) Facilities and resources mandatory for course completion.

- Lecture halls.
- Data show.

Course coordinator:

Prof. Dr. Sameh Shamaa

Prof. Dr. Tawfik Elkhodary

Dr. Ziad Emarah

Head of the department:

Prof. Dr. Salah El-Gamal

Date of First Approval: 22/12/2010

Date of Last Approval: 23/08/2016