



COURSE SPECIFICATION

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course	Applied pathology
(2) Department offering the programme	Pathology General surgery
(3) Department responsible for teaching the course	Pathology General surgery
(4) Part of the programme	Second part MD Surgical Oncology
(5) External evaluator	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	Applied Pathology
(9) Course code	SONC 620 PATH SONC 605
(10) Credit hours	1.5 hour theoretical 0.5 hour practical
(11) Total teaching hours	22.5 hour theoretical 15 hour practical

(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 Applied Pathology.
- 2- To give our candidate the ability to integrate the Applied Pathology data properly in service of Surgery and the ability to integrate data obtained from clinical examination and investigations properly for ideal management for the surgical patient.
- 3- The purpose of the training program of the Master degree is to prepare the physician for the independent practice of clinical Surgery. This training must be based on supervised clinical work with increasing responsibility for outpatients and inpatients. It must have a foundation of organized instruction in the basic Surgery science.

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

1. Teaching the basic medical science related to surgical practice as pathology.
2. Teaching the main topics of pathological disorders with different environmental factors that play a role in many related diseases.
3. Training the candidate how to search for the recent knowledge and how to apply this in his field.

(3) 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

- A50- Discuss pathology of cancer in different organs.
- A51- List pathological types of different tumors according to world health organization (WHO).
- A52- Review staging system of different tumors.

B- Intellectual skills

- B13. Employ knowledge in applied pathology in classifying and staging of cancer patients.
- B14. Distinguish prognosis of different cancers.

C- Professional/practical skills

- C3-Examine different pathological specimens and identify gross features of cancer.

(2) Course content:

Title	Lectures	Practical
<u>(A) Breast:</u> -Benign breast disorders -Noninvasive breast cancer -Invasive breast cancer	2 hours	2 hours
<u>(B) Head and neck:</u> -Neoplasm of salivary glands -Tongue & oral cavity cancer -Mandibular tumors -Laryngeal and pharyngeal cancers -Thyroid cancer -Parathyroid cancer	4 hours	3 hours
<u>(C) GIT:</u>		

<ul style="list-style-type: none"> -Esophageal cancer -Gastric cancer -Carcinoid tumors -Colon cancer -Rectal cancer -Anal cancer -Hepatobiliary cancers -Pancreatic cancer -Pancreatic endocrine tumors -Gastrointestinal stromal tumors 	6 hours	4 hours
<p><u>(D) Genitourinary:</u></p> <ul style="list-style-type: none"> -Prostate cancer -Bladder cancer -Renal tumors -Testicular tumors -Adrenal tumors 	4 hours	2 hours
<p><u>(E) Gynecology:</u></p> <ul style="list-style-type: none"> -Ovarian cancer -Endometrial cancer -Uterine sarcoma -Cervical cancer -Vulval cancer -Malignant gestational trophoblastic disease 	4 hours	3 hours

(F) Others:

-Skin cancer

-Bone tumors

-Soft tissue sarcoma

-Lymphomas

2.5 hours 1 hour

(3) Teaching methods:

4.1. lectures

4.2. specimen demonstration

(4) Assessment methods:

5.1. Written exam for assessment of knowledge

5.2. MCQ exam for assessment of knowledge.

5.3. Objective structured clinical examination for assessment of knowledge

5.4. Practical exam for assessment of ability to identify specimens and describe gross pathology.

Percentage of each assessment to the total mark.

Written exam. 60 marks

Oral exam. 50 marks

Practical exam. 50 marks

MCQ exam. 15 marks

Other assessment without marks. logbook

(5) References of the course:

6.1. Hand books. Department applied Pathology Notes.

6.2. Text books. Applied Pathology for MRCS.

6.3. Journals. Basic and applied pathology.

6.4. Websites.

(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) Prof. Dr. Gamal Emiera, National cancer institute, Cairo university	Reviewing according to external evaluator checklist 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: