COURSE SPECIFICATION

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Program offering the course:	Histology
(2) Department offering the program:	General surgery
(3) Department responsible for teaching the course:	Histology
(4) Part of the program:	First Part Master degree General Surgery
(5) External evaluator(s)	Prof. Dr. Alaa khalil Zagazig Faculty of Medicine
(6) Date of approval by the Department`s council	27/5/2013
(7) Date of last approval of program specification by Faculty council	9/8/2016
(8) Course title:	Histology
(9) Course code:	SUR 502
(10) Total teaching hours:	7

(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- To prepare the candidates to acquire the required knowledge, skills and clinical applications of histology that are relevant to the general surgical practice.

2- To enable the candidate to integrate the data of histology properly in the daily practice of Surgery and to incorporate the data of histopathological features of surgical diseases properly for the optimal management for the surgical patient.

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

1. Teaching the basic medical science related to Clinical surgical practice with concern to the histological and cytological aspects of different body organs and their relation with surgical diseases.
2. Integrate different aspects of histology with pathology to better determine the optimal management for each disease.
3. Training the candidates on how to identify normal histology and differentiate it from different pathological conditions.

(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. To recognize the basic structure and components of the human cell and their correlation with surgical science.

A2. Recognize the essential components of blood and their implications and utility in the surgical field.

A3. Explain the basic concepts about the structure of connective tissue as to comprehend the various pathological processes that may occur to it.

A4. Explain the basic concepts of the vascular tissue linking this knowledge with the pathogenesis of various vascular disorders.

A5. Recognize the basic histological features of the digestive system and the spleen with the aim to understand how different pathological conditions can affect the normal architecture if these organs.

A6- Recognize lymphatic system structure and composition.

A7- Realize the histology of the endocrine glands and how can be distorted in various endocrinopathies.

A8- Determine the normal appearance of different body tissues and organs under light and electron microscope.

2- Intellectual activities (I)

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

B- Intellectual skills

B1. Apply the skills of identifying the normal structure to exclude or diagnose any pathological anomalies.
B2. Relate the microscopic examination findings with the clinical data to reach the proper diagnosis for each patient.
B3. Enlist the various differential diagnoses available for the tissue sample being examined

(3) Course content:

Subjects	Lectures	Clinical	Laborator	Field	Total Teaching Hours
1) Introduction (The cell) :- - The cell membrane . - Cytoplasm. - Nucleus. 2) Blood :- - RBCS . - leucocytes. - Non- granular/Granular. - Blood Platelets. 3) Connective Tissues :- - C.T cells. - C.T fibres. - Types of C.T. - Cartilage. - Bone. 4) Vascular Tissues :- - Arteries. - Veins. - Capillaries & lymphatic vessels. 5) Gastrointestinal tract :- - Lip, tongue, esophagus & stomach. - Large intestine. - Salivary glands, parotid, submandibular, sublingual glands. - Small intestine. - Large intestine. - Liver, gall bladder & pancreas. 6) Endocrine:- - Pitutary gland. - Thyroid & parathyroid glands. - Islets of langerhans - Suprarenal gland 7) Urinary system:- - Kidney & its blood supply.	7	None	None	None	7

- Innervation of urinary system. - Ureter, urinary bladder & urethra. 8) Lymphatic system :- - Tonsils. - Thymus. - Lymph node. - Spleen.					

(4) Teaching methods:

4.1: Lectures

Assessment methods:

5.1: written exam for assessment of knowledge and intellectual activities.

5.2. M.C.Q exam for assessment of understanding and intellectual activities.

Assessment schedule:

Final exam at the end of the first semester.

MCQ exam at the end of the first semester.

Percentage of each assessment to the total mark:

Written exam: 72 marks

M.C.Q: 18 marks.

Oral exam: 60 marks.

Other assessment without marks: logbook

(5) References of the course:

6.1: **Hand books:** Departmental book

6.2: **Text books: A Text Book of Histology (Horst P)**

6.3: **Journals:**

6.4: **Websites:** www.visual**histology**.com/products/atlas/

6.5: **Others**

(6) Facilities and resources mandatory for course completion:

Lecture halls

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

Evaluator	Tools*	Signature
Internal evaluator (s) Prof.Dr. Mohamed Farid Prof.Dr.Mohamed Abdelwahab Prof.Dr. Moh. Diaa El-Zawahry	Focus group discussion Meetings	
External Evaluator (s) Prof.Dr. Alaa Khalil	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 program is contained in the above specification and will be implemented. All course specification for this program are in place.	
Program coordinator: **Dr. Sameh Hany Emile** **Lecturer of General Surgery. Mansoura University**	Signature & date:
Head of the department: **Prof. Dr. Nazem Shams** **Professor of General and surgical oncology. Mansoura University**	Signature & date:
Dean: **Prof. Dr. El-Said Abdelhady**	Signature & date:
Executive director of the quality assurance unit: **Prof. Dr. Seham Gad El-Hak**	Signature & date: