



COURSE SPECIFICATION

Pathology

Faculty of Medicine– Mansoura University

(A) Administrative information

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|---|---------------------------------------|
| (1) Programme offering the course. | Master degree of Histology & Cytology |
| (2) Department offering the programme. | Histology & Cell biology |
| (3) Department responsible for teaching the course. | Pathology |
| (4) Part of the programme. | First part |
| (5) Date of approval by the Department's council | 3/5/2016 |
| (6) Date of last approval of programme specification by Faculty council | 9-8-2016 |
| (7) Course title. | Pathology |
| (8) Course code. | HIST 505 |
| (9) Credit hours | 4 hours (3 lectures–1 practical) |
| (10) Total teaching hours. | 60 (45 Lectures–30 practical) |

(B) Professional information

(1) Course Aims.

The broad aims of the course are as follows.

The aim of this course is to prepare the candidate to be professional in the field of Histology and cell biology through increasing his/ her awareness about

1. Age related changes that occur in cells and tissues.
2. Ultrastructural pathological changes.

And to be excellent in the field of routine diagnostic procedures including hematological, cytological, Immunological and ultra structural investigations.

(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: Identify the general pathological features of inflammation, tissue repair, cell injury and cell death

A2: Recognize different forms of circulatory disturbances and their underlying pathogenesis

A3: Describe pathological features of various bacterial and parasitic diseases.

A4: Discuss the growth disturbances and differentiate between benign and malignant tumors.

A5: explain carcinogenesis and discuss different types of neoplasm.

A6: Describe and discuss the morphological pattern (macroscopic and microscopic) of different pathologic lesions within different body systems and their underlying pathogenesis such as:

- Cardiovascular system
- Respiratory system & mediastinum
- Endocrine system (thyroid, parathyroid, adrenal gland, pancreas, pituitary gland)
- Gastrointestinal tract
- Hepatobiliary system
- Genital system (male & female)
- Urinary tract system
- Breast diseases
- Hematopoietic system (lymph nodes, spleen, bone marrow)
- Bone and skeletal system
- Nervous system

B- Intellectual skills

B1. Analyze various microscopic pathologic data resulting from the disease process.

B2. Interpret findings of pathological specimens effectively.

C- Professional/practical skills

C 1 Examine slides of different tissues and organs

D- Communication & Transferable skills

D 1 Work in team.

D 2 Communicate and use internet

(3) Course content.

| Subjects | Lectures | Laboratory |
|---|-----------|------------|
| I- General pathology: | 15 | 10 |
| 1- Inflammation | 3 | |
| 2- Cell injury | 3 | |
| 3- Circulatory disturbance | 3 | |
| 4- Infections including bacterial infections, T.B, syphilis and parasitic disease | 3 | |
| 5- Disturbance of growth and neoplasm. | 3 | |
| II - Special pathology: | 30 | 20 |
| 1- Diseases of circulatory systems (Heart and blood vessels) | 3 | |
| 2- Diseases of respiratory system. | | |
| 3- Diseases of gastro intestinal tract, liver, gall bladder and pancreas | 3 | |
| | 3 | |
| 4- Diseases of kidney and urinary tract | | |
| 5- Diseases of female genital tract | 3 | |

| | | |
|---|-----------|-----------|
| 6- Diseases of male genital tract | 3 | |
| 7- Diseases of endocrine system | 3 | |
| 8- Diseases of Bone and skeletal system | 3 | |
| 9- Diseases of nervous system | 3 | |
| 10- Diseases of haematopoietic system, lymph nodes and spleen | 3 | |
| | 3 | |
| Total | 45 | 30 |

(4) Teaching methods:

4.1. Lectures

4.2. Practical sessions (microscopic analysis of slides consisting of human and animal tissues and organs & electron micrograph reporting)

4.3. Workshops

4.4. Seminars: the student presents a seminar in his/her own field of interest and attends the weekly seminars presented by invited guests, faculty members and students

4.5. Self learning (internet search for specific topics)

(5) Assessment methods:

5.1. Written exam for assessment of A1, A2, B1, D2: 1

5.2. OSPE for assessment of A2, B1, C1, D2

5.3. Structured oral exam for assessment of A1, A2, B1, D2

5.4 MCQ exam for assessment of A1, A2, B1, D2: 1

Percentage of each assessment to the total mark.

- **Written exam.**
 - Essays 144 marks
 - MCQ: 36 marks
- **OSPE: 60 marks**
- **Structured oral exam: 60 marks**

(6) References of the course.

6.1. Hand books: Pathology department books

6.2. Text books: Rubbin's textbook of pathology and Ackerman's surgical pathology

6.3. Websites: Ovid database, Science direct, Pathmax, Pubmed

(7) Facilities and resources mandatory for course completion.

Data show for power point presentations

Laboratories

Library

Computers

Microscopes

Course coordinator: Dr. Shireen Mazroa

Assistant coordinator: Dr. Safinaz Mostafa

Head of the department: Dr. Salwa Gawish

Date: