



Quality Assurance Unit



**Tanta University
Faculty of Medicine**

Department of Histology

Course Specifications

Histology second Year

2011-2012

Histology second Year Course specifications

University: Tanta

Faculty: Medicine

Department: Histology

1-Administrative information

- **Course Title:** Histology
- **Code:** TMED 02: 02
- **Department offering the course:** Histology Department
- **Program(s) on which the course is given:** M.B.B.CH
- **Department offering the program:** Histology Department and all other Departments
- **Academic year:** 2011/2012
- **Level:** second year
- **Date of specification approval:** *This document has been approved by:*
 1. The Board of Department of Histology on: September 2011
 2. The Internal Quality Assurance & Accreditation Center: on: September 2011
 3. Council of the Faculty of Medicine, Tanta University on:
- **Taught hours:**
 - **Credit Hours:** NA
 - **Lecture:** 60 hours
 - **Tutorial and Practical:** 60 hrs
 - **Total:** 120 hours

2 - Overall Aims of Course

- To provide students with knowledge concerning the basic histological structure and ultrastructure of the eukaryotic cell with correlation to biological cellular activities, and basis of cytogenetics.
- Teach the student the normal histological structure of different tissues of human body in addition to some of its systems, and how to identify them under the microscope, with functional and clinical correlation whenever possible.

3 - Intended Learning Outcomes of Course (ILOs)

a-knowledge and understanding:

By the end of this course the student should be able to

a1-Describe the normal histological structure of various body systems (respiratory, digestive, endocrine, urinary, male & female reproductive, eye & ear, and central nervous system).

a2-Describe and illustrate the distinguishing structural features of organs, regions and cell types present in each system and relate the structural variations to differences in organ function.

a3-Understand the relation between the endocrine system and the structural and functional variations in some other systems.

b- Intellectual skills

By the end of this course the student should be able to

b1-Correlate between histological structure and function of different organs of all studied systems.

b2- Predict the functional deficit that can arise from certain structural disorders of an organ or tissue element.

b3- Identify and understand the pathology of cells, tissues and organs in his study during next years, based on enough knowledge of their normal structure.

b4- Correlate between the blood supply of some organs and their structure and specialized functions.

b5-Discuss with integration the histological structure, gross anatomy and physiology of some system like CNS.

c- Professional & practical skills.

By the end of this course the student should be able to

c1- Use the microscope efficiently.

c2- Recognize and differentiate between different organs in histological slides seen under the microscope.

c3- Identify the structural features and different tissue elements of each organ under the microscope.

c4- Draw and label histological slides seen during the course.

c5- Draw and label diagrams of different levels in the spinal cord, brain stem and other diagrams studied during the course.

d- General transferable skills

By the end of this course the student should be able to

d1.Appreciate the importance of life long learning.

d2.Communicate actively with his colleagues as well as the employees and staff members.

d3.Know when and how to ask for senior consultation.

d4.Utilize the resources of biomedical information including the available electronic

facilities to update his/her knowledge

d5.Present information clearly in written and oral form.

d6.Accept the sharing of their colleagues in the resources of practical laboratories

d7.Deal with the instruments and equipments in a responsible manner keeping them intact and clean.

4- Topics (Contents of the course)

Topic	No. of Hours	Lecture	Tutorial/Practical
1- Digestive system	10	10	24
2- Digestive glands	2	4	12
3- Respiratory system	2	4	4
4- Urinary system	2	5	8
5- Endocrine system	2	5	8
6- Male reproductive system	2	5	8
7- Female reproductive system	4	6	12
8- Skin	2	4	4
9- Receptors	2	3	4
10-Eye & Ear	2	6	8
11-Central nervous system	10	8	28
Revisions	10		
	60	60	60

5-Teaching and Learning Methods

5.1- METHODS USED

Lectures (60 hours = 2 lectures / week for 30 weeks)

(60 hours = 2 hours / week for 30 weeks)

-Practical classes:

- One practical class (two hours each) weekly for 30 weeks (total 60 hours)
- The total number of students in each practical class is divided into 7 small groups

5.2- METHODS FOR DISABLED STUDENTS

- -No special arrangements are available

5.3- TEACHING PLAN:

Time plan :			
Item:	Time schedule	Teaching hours	Total hours
Lecture	Twice weekly	One hour	60
Practical	Once weekly	Two hours	60
Total			120

6- Student Assessment

A) Methods used

6.1 Written examination to assess a1-6, b1-4

6.2 Practical examination to assess a1-6, b2, c1-4

6.3 Oral examination to assess a1-4.b2,3. c1-4. d1-9

6.4 Practical notebook to assess attendance and a1-6, c1-4,d,1-9

B- Assessment schedule

Exam	Week
1- Assessment 1	Week 10
2- Assessment 2	Week 14
4- Final exam	At end of year (week 30)

C- Weighing of assessments

Periodical exam	2.5	1.66%
Mid-Term Examination	22.5	15 %
Final-term Examination	75	50 %
Oral Examination.	25	16.3%
Practical Examination	20	13.3%
Practical book	5	3.3 %
Total	150	100 %

D) Attendance criteria:

1. Practical attendance (log book) The minimum acceptable attendance is 75%, students failing to attend that percentage will not be allowed to attend the end of year examination.

2. Practical books

E- Grading system:

Examination	Topic	Description	Marks	Time
Periodical Examinations	Sheet examinations	First half of the academic year (MCQs)	2.5	December
Mid term exam		MCQ	22.5	February
Final Examination	Practical exam: (20 spots) + two diagrams	20 slides Two diagrams one of them CNS	20 marks 5 marks	April
	Written (3 hours)	written paper composed of: short essay questions - MCQs - Drawing Questions	45 15 15	May
	Oral exam	(10 minutes) one session	20 marks	May
Total			150	

- The minimum passing score is 90 marks provided that at least 22.5 marks are obtained in the final written examination.
- Passing grades are :
 - Excellent: 85%
 - Very Good: $\geq 75\%$ - $< 85\%$
 - Good: $\geq 65\%$ - $< 75\%$
 - Pass: $\geq 60\%$ - $< 65\%$.

7- List of References

7.1 Course notes

1. Department Books - Text Book - Practical Book

7.2 Text books

Basic histology Junqueira. L.C.

Atlas of histology: Di Fiore

Functional Histology (Wheater's) Text & Atlas of Histology

7.3 Recommended books

1. Basic histology Junqueira. L.C.
2. Atlas of histology: Di Fiore
3. Functional Histology (Wheater's) Text & Atlas of Histology

7.4 Periodicals and web sites

<http://telc.tanta.edu.eg>

<http://www.lab.anhb.uwa.edu>

<http://www.getbodysmart.com/ap/histology/menu/menu.html>

www.ejhistology.eg.net

-8- Facilities Required for Teaching and Learning

1-Faculty Lecture halls

2-Two equipped labs with microscopes.

3-Faculty and department library can be used for projects and textbooks

Head of Department: **Prof Dr/ Ezzat Abd El Aziz El-Dreiny**

This document has been approved by:

1. The Board of Department of Histology on: September 2011
2. The Internal Quality Assurance & Accreditation Center: on:
3. Council of the Faculty of Medicine, Tanta University on:

Head of department : Dr/

Signature

Course coordinator:

Course Specifications: Histology second Year, 2011-2012

Intended learning outcomes of the course

The name of course	Histology
Code of course	

University:...../ Academy
 : Faculty:
 : Department:

Topics of the course	Week Study	Knowledge & Understanding	Intellectual Skills	Professional	General transferable skills
				Skills	
1- Digestive system	5	1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
2- Digestive glands		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
3- Respiratory system		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
4- Urinary system		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
5- Endocrine system		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
6- Male reproductive system		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
7- Female reproductive system		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
8- Skin		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
9- Receptors		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
10-Eye & Ear		1a, 2a, 3a, 4a, 5a, 6a	1b, 2b, 3b,4b.	1c, 2c, 3c	d(1-9)
11-Central nervous system		6a	1b,2b.	4c	d(1-9)

Head of department

Course coordinator

