



Course Specification

University: **Beni-Suef** Faculty: **Dentistry**
Course Title: **General Histology 2** Course code: **MHS122**
Program on which the course is given: **Bachelor's degree of Dental Science, Graduate program**
Department offering the course: **General Histology Department, Faculty of Medicine**
Academic level: **1st** Semester: **2nd**
Date of specification approval: **September 2023**

A- Basic Information

Academic Year:	2023-2024
Course Code:	MHS122
Course Theoretical (contact hours):	1hr*16w
Practical (contact hours)	2hr *16w
Total Hours: -	3h. 48 hr (Theoretical: 16 Practical: 32)
Prerequisite if present:	General Histology 1

B- Professional Information

Overall aims of course

By the end of the course, the student should be able to theoretically and practically describe the normal organs of various body systems (respiratory, digestive, lymphatic, endocrine and urinary). Also, the student should be able to identify the structure of normal human tissues and organs and to correlate their structure to their function

.2- Intended learning outcomes of course (ILOs)

a. Knowledge and understanding:

- a1. Describe the different types of muscle (skeletal, cardiac and smooth muscle)
- a2. Define normal structure of the muscular tissue
- a3. Describe the neuron (LM, EM and types), types of nerve fibers & types of ganglia.
- a4. Describe the histological structure and function of Gastrointestinal tract [oral cavity, salivary gland, liver, pancreas].
- a5. Describe the histological structure and function of Endocrine system [suprarenal gland, thyroid gland, pituitary gland]
- a6. Describe the histological structure and function of Respiratory system [trachea, lung].
- a7. Describe the structure and function of each type of lymphatic organs (lymph node, spleen and tonsil).
- a8. Describe the structure and function of skin
- a9. Differentiate layers of thick and thin skin

b. Intellectual skills:

- b1. Analyze the ultrastructural details of the cell
- b2. Correlate between the predominance of a certain cell organelle & the function of its cell.
- b3. Correlate between the structure & function of every organ according to its type of cells.
- b4. Compare between the different types of tissues according to their structure, function and distribution in the human body.
- b5. Differentiate the projector slides of the cells and tissues previously studied
- b6. Select the best answer of MCQ questions on various parts of the curriculum.

b7. Correlate his knowledge in histology with clinical findings caused by cellular errors.

c. Professional and practical skills:

c1. Differentiate between different tissues and organs in histological slides using light microscope.

c2. Demonstrate some cells or tissues using special stains.

c3. Identify the ultrastructural details of cells through electron microscopic pictures.

c4. Illustrate the different human body tissues and its components in their practical books.

d. General and transferable skills:

d1- Apply how to work effectively in a team.

d2- Express himself freely and adequately by improving his descriptive capabilities & enhancing his communication skills

d3- Acquire the ethics and respect to the staff, workers and themselves inside the classroom.

d4. Use internet in research and communications.

3-Contents:

Topic	Lecturer	Lectures (1hrs)	Practical (2hrs)	Total Hours	weighting	ILOs covered by this topic	Teaching method	Assessment methods
Muscular tissue [general characters, structural details of skeletal, cardiac, and smooth muscles]	Dr. Asmaa Mohamed	2	2	6	14.28	A1,2, b1-b7,c1-4, d1-4	-Lectures -Discussions during the lecture -Clinical and histological pictures -Practical sessions using light microscope and cases on smartboard	-Periodic evaluation. -mid-year exam. -Practical exam. - Oral exam. - Final written exam.
Nervous tissue [structural details of the neuron, types of neurons, myelination, structure and function of neuroglial cells]	Dr. Fatma Mohamed	2	2	6	14.28	A3 , b1-b7,c1-4, d1-4	- Assignments	-Attendance -continuous assessments (practical book, assignments)
Gastrointestinal tract [oral	Dr. Ola Esmail	2	2	6	14.28	A4,2, b1-b7,c1-4, d1-		

cavity, salivary gland, liver, pancreas]						4		
Endocrine system [suprarenal gland, thyroid gland, pituitary gland]	Dr. Asmaa Mohamed	2	2	6	14.28	A5, b1-b7,c1-4, d1-4		
Respiratory system [trachea, lung]	Dr. Asmaa Mohamed	2	2	6	14.28	A6, b1-b7,c1-4, d1-4		
Lymphatic organs [structure & function of thymus, lymph nodes, spleen & tonsils]	Dr. Mai Amin	2	2	6	14.28	A7, b1-b7,c1-4, d1-4		
Skin	Dr. Asmaa Mohamed	2	2	6	14.28	A8,9, b1-b7,c1-4, d1-4		

Week No.	Topic	No. of hours
1.	Muscular tissue	1
2.	Muscular tissue	1
3.	Nervous tissue	1
4.	Nervous tissue	1
5.	Lymphatic system	1
6.	Lymphatic system	1
7.	Thick skin	1
8.	Thin skin and appendages	1
9.	Midterm exam + Salivary glands	1
10.	Salivary glands and pancreas	1
11.	Liver	1
12.	Endocrine	1
13.	Endocrine	1
14.	Respiratory	1
15.	Respiratory	1

Practical/Tutorial:

Week No.	Topic	No. of hours
1.	Muscular tissue	2
2.	Muscular tissue	2
3.	Nervous tissue	2
4.	Nervous tissue	2
5.	Lymphatic system	2
6.	Lymphatic system	2
7.	Thick skin	2
8.	Thin skin and appendages	2
9.	Salivary glands	2
10.	Salivary glands and pancreas	2
11.	Liver	2
12.	Endocrine	2
13.	Endocrine	2
14.	Respiratory	2
15.	Respiratory	2

Each one credit hour equal two practical hours.

4- Teaching and learning methods

Method	Assessed ILO
4.a Small group discussion / Brain storming	A1-9, b1-5,7
4.b Practical Labs and Demonstrations	C1,2,4, b5
4.c Interactive lecture	A1-9, b1-5,7, c2,3, d2, d3
4.d Blended learning	D1-3

5- Student assessment methods

Method	Assessed ILO
1. Written exam	A1- 9,

	B1-4,6,7 D3
2. Midterm	A1- 9, B1-4,6,7 D3
3. Class work	A1,2,3,4,5,6,7,8,9 B1,2,3,4,6,7 C1,2,3,4 D1,2,3,4
4. Oral exam	A1,2,3,4,5,6,7,8,9 B1-4,6,7 C1,2,3,4 D1,2,3,4
5. Practical exam	A1,2,3,4,5,6,7,8,9 B5 C1-4
6. Quizzes	A1,2,3,4,5,6,7,8,9 B1,2,3,4, 6,7 D3

Assessment schedule

Mid-year exam	April 2024
Quiz	4 ,10 week
Practical exam	May 2024
Final exam	June 2024

Weighting of assessments

Final Exam			Attendance / cutaneous assessments	Total
Written	Practical	Oral Exam	20	100
40	20	20		

6- List of reference;

- Course notes
- Important web sites
 - www.bluehistology.com
- Recommended textbook
 - Basic Histology Junqueira, L.C.
 - Atlas of Histology (Wheater's) Text & Atlas of Histology

Facilities required for teaching and learning

LMS of system, lecture halls, data show, library, practical lab and laboratory equipment.

Course coordinator: **Prof. Dr. Samraa Hassan**

Head of Department: **Prof. Dr. Samraa Hassan**

Date: **September 2023**