

Faculty of Oral & Dental Medicine

General Histology

Information :

Course Code : MEDS 111

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

Title	Name	Office hours
Professor	Alyaa Ragaei Hassan Mohamed Mostafa	
Teaching Assistant	Sameh Mohamed Ismail Elsayed Elsibaei	
Teaching Assistant	Aya Mahmoud Nasr Hanafi	

Description :

Cytology: Membranous organelles,,
Non membranous organelles,,
Proteasomes, Nucleus,,
Epithelium,,
Connective Tissue Proper,,
Cartilage,,
Bone,,
Blood,,
Muscular tissue,,
Nervous tissue,,
Cardiovascular System,,
Lymphatic System,,
Skin,,
Digestive and endocrine glands and medical application,,
Upper respiratory system and medical applications

Course outcomes :

a. Knowledge and Understanding: :

1 -	Describe the histological characteristics of normal cells in relation to function and clinical applications
2 -	Recognize different blood cells and the applied clinical states related to change in their count/%.
3 -	Outline the basic histological tissues of the body (General Histology) and some systems (Vascular, Lymphatic, Skin, Digestive and Endocrine Glands) in relation to function and clinical applications.

b. Intellectual Skills: :

1 -	Correlate between histological structure & function of any cell, tissue or organ.
2 -	Differentiate organelles of cells and tissues of organs by data show and microscopic slides.
3 -	Relate various clinical applications to cells, tissues or organs

c. Professional and Practical Skills: :

1 -	Interpret different examined cell organelles.
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2 -	Diagnose different blood cells in blood films
3 -	Illustrate different types of tissues: epithelium tissues, connective tissues, muscular tissues, nervous tissues and the types of cells in these tissues
4 -	Discover different tissues and organs in histological sections using routine, special stains and ultrathin sections

d.General and Transferable Skills :

1 -	Design an independent piece of work within a supported frame work
2 -	Appreciate lifelong learning
3 -	Acquire communication and presentation skills
4 -	Participate in co-operative group planning and making decision.
5 -	Acquire ability to relate Applied Medicine to Basic Medical Science.

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
The cells	3	2	1
Epithelium Tissue	3	2	1
Connective Tissue	3	2	1
Cartilage	3	2	1
Bone	3	2	1
Blood	3	2	1
Muscular Tissue	3	2	1
Nervous Tissue and Central Nervous System	3	2	1
Circulatory System	3	2	1
Lymphatic System	3	2	1
The Integumentary System	3	2	1
GIT: Liver and Pancreases	3	2	1
Respiratory System	3	2	1

Teaching And Learning Methodologies :

Lectures/ online lectures
Small group discussion
Demonstrations
E- learning
PBL (case studies)

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
Final practical Examination	15.00		
Final Written Exam (at the end of the semester).	25.00		

Major quizzes.	5.00		
Midterm examination	20.00		
Oral Examination (at the end of the semester)	10.00		
Semester Work CW (Lab manual, Attendance, Participation & Weekly Quizzes).	25.00		

Books :

Book	Author	Publisher
Netter's Essential Histology, Third Edition (Ebook)	Ovalle, William K., PhD	Elsevier
Stevens & Lowe's Human Histology, Fifth Edition (Ebook)	Lowe, James S.,	Elsevier
Textbook of Histology, Fifth Edition (Ebook)	Gartner, Leslie P., PhD	Elsevier
Wheater's Functional Histology, Sixth Edition (Ebook)	Young, Barbara,	Elsevier

Course Notes :

Mescher AL (2018): Junqueira's Basic Histology Text and Atlas, 15th edition, McGraw-Hill, Singapore United States.

Recommended books :

Pawlina W (2020): Histology. A Text and Atlas with Correlated Cell and Molecular Biology, 8th edition, Wolters Kluwer, Philadelphia.