



وكالة الجامعة للشؤون التعليمية
البرامج الدراسية والتطوير

(5)

مختصر توصيف المقرر

Animal Histology

:(Course Information) *

الحيوان	:
BIOL-215	:
علم الخلية BIOL-111	:
لا يوجد	:
	:
3	:
Module Title:	Animal histology
Module ID:	BIOL-215
Prerequisite (Co-requisite):	Cell Biology, BIOL-111
Co-requisite :	N/A
Course Level:	3 rd level
Credit Hours:	3 Hours

Module Description

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Animal Histology is a rigorous course that presents details of tissue and organ microanatomy, relating structure to function. The lectures present details of the four basic tissues (epithelium, connective tissue, muscle, and nerve) and the organ systems (integumentary, digestive, respiratory, urinary, male and female reproductive, endocrine, and sensory systems), stressing human histology.

Module Aims

أهداف المقرر:

1	Display knowledge and understanding of the microscopic structure of tissues.	1
2	display an understanding of the cellular organelles and describe the peculiar features of a given tissue or organ.	2
3	enumerate the functions of a given cell, tissue or organ.	3
4	list the cellular components of a given tissue or organ.	4
5	recognise the relation between structure and function.	5

6	Describe the fixation and stains used in animal histology and their chemical composition;	6
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Learning Outcomes:

مخرجات التعليم:

1	state the importance of histological techniques and their applications	1
2	perform use of a light microscope for histological examination	2
3	demonstrate all the tissues of a given organ under the light microscope	3
4	show the peculiar characteristics of some tissues and organs	4
5	list and describe the animal epithelial tissue types and the connective tissue type, the muscle and the nervous tissues; and the organ systems (integumentary, digestive, respiratory, urinary, male and female reproductive, endocrine, and sensory systems), stressing human histology	5
6	observe laboratory safety policies and procedures	6

Course :

Contents:

ساعات التدريس (Hours)	الأسابيع (Weeks)	(Subjects)
3	1	Introduction
3	1	Epithelial Tissues
3	1	Glands
3	1	Blood as a Connective Tissue Element
3	1	Other Connective Tissues
3	1	Muscle Tissues; Adipose Tissues
3	1	Nervous Tissues
3	1	Circulatory System
3	1	Lymphatic Organs

3	1	Skin
3	1	Digestive System
3	1	Respiratory System
3	1	Excretory System
3	1	Male Reproductive System & Female Reproductive System
3	1	Endocrine Glands and Special Sensory Organs

Textbook and :

References:

ISBN	Publishing Year	Publisher	اسم المؤلف (رئيسي) Author's Name	Textbook title
978-1451187427	2015	LWW	Michael H. Ross	Histology: A Text and Atlas
	Publishing Year	Publisher	اسم المؤلف (رئيسي) Author's Name	Reference
B007ZX21LG	2012	University of California Libraries	Barbara J. Coolidge	Animal histology procedures
978-0702047473	2013	Churchill Livingstone	Barbara Young	Wheater's Functional Histology
978-0071842709	2015	McGraw-Hill Education	Anthony Mescher	Junqueira's Basic Histology

