

Faculty of Oral & Dental Medicine

Zoology

Information :

Course Code : SGS 141

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Area Of Study :

- To relate different body organs to each other anatomically and the use of the proper terms to describe their position.
- To name the main functions of cell organelles
- To be able to perform microscopic examination and identification of histological studies

Description :

microscopy (the light and electron) , the animal cell and the cell membrane , membranous components , embryology , connective tissue , buccopharyngeal cavity , general viscera , venous system of toad, urinogenital system in (male & female) of toad

Course outcomes :

a.Knowledge and Understanding: :

1 -	To relate the function of cell organelles to the ultra structure.
2 -	To describe the main steps during early embryonic development in
3 -	To relate different body organs to each other anatomically and the
4 -	To memorize the basic scientific terminology regarding anatomical
5 -	To estimate the possible abnormalities resulted from lesions in

b.Intellectual Skills: :

1 -	To define different types of tissues
2 -	To name the sites of occurrence of each tissue in the body organs
3 -	To explain the relation between the anatomical site of the tissue and its function
4 -	To name the main functions of cell organelles

c.Professional and Practical Skills: :

1 -	To examine the parts of the bones and to recognize types of articulations
2 -	To examine and recognize section in body organs microscopically
3 -	To illustrate diagrams for different sections in body organs
4 -	To use the dissecting instruments and light microscope
5 -	Microscopic examination and identification of histological studies

d.General and Transferable Skills: :

1 -	Recognize of the value and role of lifelong learning, self-assessment and critical thinking in maintaining competency
2 -	Evaluate personal progress and be able to assess ones weakness and strengths

Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Introduction	3		
The animal cell and the cell membrane	3		
Membranous components	3		
Membranous and non-membranous components.	3		
The cytoplasmic matrix	3		
The Nucleus	3		
Introduction to immunology	3		
Immunology	3		
Embryology	3		
Epithelial tissue 1	3		
Epithelial tissue 2	3		
Connective tissue	3		

Teaching And Learning Methodologies :

Lectures
Clinical training
Demonstrations
Role playing and hands on
Small group discussion

Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid Term Exam	20.00		
2nd Mid Term Exam	20.00		
class work	20.00		
Final Written Examination	30.00		
Practical Examination	10.00		

Course Notes :

Department Books available for all students. all biological books

Recommended books :

Brooker's Biology Book
Campbell Reece book