

## Faculty of Oral & Dental Medicine

### Zoology

#### Information :

**Course Code :** SGS 141

**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	17
Assistant Lecturer	Mena Allah Mohamed Hassan Kotb	

#### 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