

Faculty of Oral & Dental Medicine

Zoology

Information :

Course Code : SGS 142

Level : Undergraduate

Course Hours : 3.00- Hours

Department : Faculty of Oral & Dental Medicine

Instructor Information :

Title	Name	Office hours
Lecturer	Dina Magdy Abdel Salam Abdel Aziz	

Area Of Study :

- Identify the relation between man and other vertebrate classes regarding ontogeny and phylogeny.
- To explain the symptoms of hypo- and hyper secretion of each hormone.
- To relate different body organs to each other anatomically and use of the proper terms to describe their position.

Description :

whole T.S, eggs, cercaria of fasciola- teania-shistosoma. skeleton of rabbit. introduction to molecular biology (ELISA) life cycle of amoeba- hydra. skeletal muscles. gas exchange. circulatory system. neuromuscular junction & muscle contraction and calcium homeostasis.

Course outcomes :

a.Knowledge and Understanding: :

1 -	To explain the relation between the anatomical site of the tissue its function
2 -	To name different animal phyla
3 -	To describe the similarities and differences in structure of different body systems in different chordate (vertebrate) classes in man.
4 -	4- To identify the relation between man and other vertebrate classes regarding ontogeny and phylogeny

b.Intellectual Skills: :

1 -	To recognize the main characteristic features of invertebrates classes.
2 -	To define hormones
3 -	To recognize the role of each hormone.
4 -	To explain the symptoms of hypo- and hyper secretion of each hormone.

c.Professional and Practical Skills: :

1 -	To estimate the possible abnormalities result from lesions in certain organ or system using his knowledge about structure and function of this organ.
2 -	To compare between the way of action of the nervous and endocrine glands systems.
3 -	To relate different body organs to each other anatomically and use of the proper terms to describe their position.

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
The nerve cell	3		
Physiology of nerve & action potential	3		
Autonomic nervous system	3		
Physiology of muscle & muscle contraction	3		
Neuromuscular junction	3		
Circulatory system	3		
Blood	3		
Respiratory system	3		
endocrine system	3		
calcium homeostasis	3		
cranial nerves	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	6	
2nd Mid Term Examination	20.00	10	
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 :

Essential Books (Text Books) Brooker's Biology Book
Recommended Books Campbell Reece book