

## Faculty of Oral & Dental Medicine

### Human Physiology

#### Information :

**Course Code :** SGS 281

**Level :** Undergraduate

**Course Hours :** 3.00- Hours

**Department :** Faculty of Oral & Dental Medicine

#### Instructor Information :

Title	Name	Office hours
Professor	Nagat Yunnan Mina Israel	13
Lecturer	Sarah Atef Fahim Abdel Malek	
Lecturer	Shimaa Magdy Shaban Eid Mansour	0
Assistant Lecturer	Heba Mohamed Mostafa Ahmed Taha	

#### Area Of Study :

- Explor in details the function of the different system in the body.
- Develop the basic skills required for scientific thinking as well as effective communications and team work skills

#### Description :

Introduction to human physiology, blood, autonomic nervous system, cardiovascular system and nerve & muscle

#### Course outcomes :

##### **a. Knowledge and Understanding: :**

- |     |   |
|-----|---|
| 1 - | Describe the function of the different systems in the body at the organ and cellular levels |
| 2 - | Describe homeostasis and its importance for body functions                                  |

##### **b. Intellectual Skills: :**

- |     |  |
|-----|--|
| 1 - | Distinguish between physiological and pathological performance of different body systems     |
| 2 - | Suggest the basic physiological measurements that can be used to test different body systems |
| 3 - | Integrate physiology with other science  |
| 4 - | Use acquired knowledge to solve basic clinical problems related to topics taught and learned |

##### **c. Professional and Practical Skills: :**

- |     |   |
|-----|---|
| 1 - | Measure blood pressure and monitor basic vital signs. |
| 2 - | Perform basic examination of the nervous system       |
| 3 - | Comment on a normal ECG tracing                       |

##### **d. General and Transferable Skills: :**

- |     |   |
|-----|---|
| 1 - | Identify the ethical issues involved in scientific and medical work |
| 2 - | Apply the skills required for team work                             |
| 3 - | Use effective communication skills to present a topic               |

### Course Topic And Contents :

Topic	No. of hours	Lecture	Tutorial / Practical
Autonomic nervous system *Introduction	2		
Autonomic nervous system *Sympathetic nervous system	2		
Autonomic nervous system *Parasympathetic nervous system	2		
Blood ~The plasma	2		
Blood ~RBCs,blood groups,anaemia	2		
Blood ~Platelets	2		
Blood ~Haemostasis	2		
Blood ~White cells	2		
Blood ~Immunity	2		
Cardiovascular system ~Cardiac properties			
Cardiovascular system ~Cardiac output			
Cardiovascular system ~Vascular system			
Cardiovascular system ~Regulation of arterial blood pressure			

### Teaching And Learning Methodologies :

Lectures  
Practical training

### Course Assessment :

Methods of assessment	Relative weight %	Week No	Assess What
1st Mid Term Exam	15.00		assess knowledge and understanding
2nd Mid Term Exam	15.00		assess knowledge and understanding
Final written Examination	25.00		
Mid Term practical exam	20.00		assess practical and intellectual skills
oral Examination	10.00		assess knowledge , understanding., intellectual and general skills
Practical Examination	15.00		

