

Course Description Form

1. Course Name: General Physiology					
2. Course Code:					
3. Semester First / Year:1-2 2025/2026					
4. Description Preparation Date:2025-2026					
5. Available Attendance Forms: Daily attendance					
6. Number of Credit Hours (Total) / Number of Units 2 Hours (Total) 30 week					
7. Course administrator's name (mention all, if more than one name)					
name: Mahdi Abd Al khudur Ali email : X_ray@moheer.gov.iq					
Course Objectives .8					
Course Objectives		This course includes a description of general physiology, the purpose of its study, and the philosophy of its teaching. The course aims to study the normal functions of the human body systems and the physiological processes responsible for maintaining life and body balance. It focuses on the physiology of major body systems such as the digestive, respiratory, cardiovascular, muscular, nervous, endocrine, urinary, and reproductive systems. The course also emphasizes the importance of physiology in understanding body functions, disease mechanisms, medical diagnosis, and healthcare applications			
9. Teaching and Learning Strategies					
Strategy		<ol style="list-style-type: none"> 1. Education Strategy Collaborative Concept Planning 2- Brainstorming education strategy. 3. Education Strategy Notes Series 4- Presentation, training, discussion research and reports 			
10. Course Structure					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	Knowledge	Introduction to Human Physiology - Cell components and organelles	Use the whiteboard display	Daily exam and oral questions

2	2	Knowledge	Blood: -Blood Functions blood components: blood plasma, plasma proteins function	Use the whiteboard display	Daily exam and oral questions
3	2	Knowledge	Formed elements: leukocytes (types and function), Platelets, and Erythrocytes, Erythropoietin Role in Erythrocytes Production	Use the whiteboard display	Daily exam and oral questions
4	2	Knowledge	Blood Clotting: clotting factors and Mechanism of Blood Clot Formation	Use the whiteboard display	Daily exam and oral questions
5	2	Knowledge	Fluid Compartments in the Body: ICF,ECF, interstitial fluid and transcellular fluids, compositions of body fluids	Use the whiteboard display	Daily exam and oral questions
6	2	Knowledge	Fluid shift: iffusion, Osmosis, hydrostatic pressure, filtration & Active Transport Across Cell Membranes	Use the whiteboard display	Daily exam and oral questions
7	2	Knowledge	Homeostasis: Blood glucose homeostasis, excretion omeostasis and Body Temperature Regulation	Use the whiteboard display	Daily exam and oral questions
8	2	Knowledge	Heart and blood vessels: -Heart function -Blood vessels function -cardiac valves and their functions - Heart sounds.	Use the whiteboard display	Daily exam and oral questions
9	2	Knowledge	Circulations: systemic circulation, pulmonary circulation, Cardiac cycle, cardiac output, and electrical properties	Use the whiteboard display	Daily exam and oral questions

10	2	Knowledge	Blood Pressure: -Mean arterial blood pressure and its regulation -Role of kidney in regulation blood pressure	Use the whiteboard display	Daily exam and oral questions
11	2	Knowledge	Measurement of lung function: -Lung volumes and capacities - Exchange & transport of gases in the blood	Use the whiteboard display	Daily exam and oral questions
12	2	Knowledge	Gastrointestinal tract: -GI tract general functions -Oral cavity function, Salivary glands function, stomach function, small intestine and large intestine function	Use the whiteboard display	Daily exam and oral questions
13	2	Knowledge	Gastrointestinal tract Secretions: General characteristic of GI Secretions and their functions	Use the whiteboard display	Daily exam and oral questions
14	2	Knowledge	Physiology of Pregnancy: Parturition, stages of labor hormonal stimulation of parturition and lactation	Use the whiteboard display	Daily exam and oral questions
15	2	Knowledge	Fetal development: - The newborn - First year after birth - Aging and death	Use the whiteboard display	Daily exam and oral questions
16	2				
17	2				
18	2				
19	2				

20	2				
21	2				
22	2				
23	2				
24	2				
25	2				
26	2				
27	2				
28	2				
29	2				
30					

11. Course Evaluation

5 marks are calculated on reports
5 points are calculated on daily exams
5 degrees are calculated on the daily preparation
And the rest of the grade is for the monthly exams

12. Learning and Teaching Resources

Guyton and Hall Textbook of Medical Physiology – John E. Hall	Biology Books
Human Physiology – Lauralee Sherwood	Curriculum scheduled within the sectoral committees
Principles of Anatomy and Physiology – Tortora & Derrickson	Essentials of Medical Physiology – K. Sembulingam
Review of Medical Physiology – Ganong	ncbi,google scholar, reserachgate