

1. Course Name:					
General Physiology					
2. Course Code:					
50201212					
3. Semester / Year:					
2025-2026					
4. Description Preparation Date:					
2025/12/1					
5. Available Attendance Forms:					
Weekly (Theory: 2 hours, Practically: 2 hours)					
6. Number of Credit Hours (Total) / Number of Units (Total)					
38/6					
7. Course administrator's name (mention all, if more than one name)					
Assistant Professor Dr Amir AJ Flayeh Asst. lecturer Zainab Waheed Kadhim					
8. Course Objectives					
Course Objective	The aim of this course is to provide students with a fundamental understanding of human physiological functions at the cellular and system levels, and to develop the ability to apply basic physiological concepts to clinical situations.				
9. Teaching and Learning Strategies					
Strategy	* Lectures * Explanation and illustration style * Discussions during teaching lectures * Home work * Showing scientific videos				
1. Course Structure (Theoretical)					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	As in objective	Introduction	Lectures	Exams
2	2	As in objective	Body fluids	Lectures	Exams
3	2	As in objective	Homeostasis and transport of substances across plasma membrane	Lectures	Exams
4	2	As in objective	Salivary glands	Lectures	Exams
5	2	As in objective	Oral cavity, Mastication, Deglutition and Speech	Lectures	Exams
6	2	As in objective	Blood; Erthrocytes	Lectures	Exams

7	2	As in objective	Hemoglobin: Structure and Catabolism	Lectures	Exams
8	2	As in objective	Leukocytes	Lectures	Exams
9	2	As in objective	Blood Groups	Lectures	Exams
10	2	As in objective	Hemostasis	Lectures	Exams
11	2	As in objective	Cardiovascular system: Heart, Blood vessels, and properties of cardiac muscles	Lectures	Exams
12	2	As in objective	Cardiovascular system: Blood Pressure, Cardiac cycle, Heart Rate, and Pulse	Lectures	Exams
13	2	As in objective	Cardiovascular system: ECG, Heart Failure, and Hemorrhage	Lectures	Exams
14	2	As in objective	Respiratory System: Types of Respiration, Stages of Respiration, Mechanics of Pulmonary Ventilation	Lectures	Exams
15	2	As in objective	Respiratory Volumes and Capacities, Respiratory Reflexes, and Regulation of Respiration	Lectures	Exams
			MID-YEAR VACATION	Lectures	Exams
16	2	As in objective	Vision, Hearing, Taste, and Smell	Lectures	Exams
17	2	As in objective	Body temperature	Lectures	Exams
18	2	As in objective	Urinary system ①	Lectures	Exams
19	2	As in objective	Urinary system ②	Lectures	Exams
20	2	As in objective	Endocrine system	Lectures	Exams
21	2	As in objective	Pituitary, Thyroid, Pancreas, and Adrenal	Lectures	Exams
22	2	As in objective	Exam	Lectures	Exams
23	2	As in objective	Digestive system ①	Lectures	Exams
24	2	As in objective	Digestive system ②	Lectures	Exams
25	2	As in objective	Muscular system: Muscle structure	Lectures	Exams
26	2	As in objective	Muscular system: Tone, and contraction	Lectures	Exams

27	2	As in objective	Nervous system ①	Lectures	Exams
28	2	As in objective	Nervous system ②	Lectures	Exams
29	2	As in objective	Reproductive system	Lectures	Exams
30	2	As in objective	Aviation and Deep physiology	Lectures	Exams

2. Course Evaluation

Mid Exam

3. Learning and Teaching Resources

Required textbooks (curricular books any)	Ganong review of Medical Physiology . 25 th Edition 2016 Barrett,K.E. , Barman S.M., Boitano S. and Brooks H.L. Mc Grew Hill Lange

4. Course Structure (Practical)					
Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
1	2	– Enabling students to acquire knowledge about general physiological functions. – Training students in scientific thinking skills – Promoting cooperation and teamwork among students.	Microscope	“Teaching and learning methods include feedback, presentations, brainstorming activities, and classroom discussions.”	Weekly quiz and evaluation based on class discussion
2	2		Collection of Blood Samples		
3	2		Blood Smears		
4	2		Functions of Saliva & Taste Sensation		
85	2		Stimulation and collection of salivary secretion		
6	2		Separation of blood samples		
7	2		Differential WBCs		
8	2		Total Count of WBCs		
9	2		Total Count of RBCs		
10	2		Blood groups		
11	2		Estimation of Hemoglobin		
12	2		Bleeding and clotting time		
13	2		Self-Monitoring of blood glucose test		
14	2		Measurement of blood pressure & pulse rate		
15	2		Effect of exercise on blood pressure and respiratory		

			rate		
16	2		Physiology of vision test		
17	2		Physiology of hearing test		
18	2		Physiology of Smell sensation		
19	2		Measurement of body temperature		
20	2		Thyroid function (Body mass index)		
21	2		Thyroid function (Body mass index)		
22	2		Resuscitation & Artificial respiration		
23	2		Resuscitation & Artificial respiration		
24	2		Physiology of Skeletal muscles		
25	2		Physiology of Skeletal muscles		
26	2		Physiology of Skeletal muscles		
27	2		Examination of reflexes (Motor Function)		
28	2		Seminars and examinations		
29	2		Seminars and examinations		
30	2		mid examinations		

