



وزارة التعليم العالي والبحث العلمي
جامعة وارث الانبياء (عليه السلام)
كلية الادارة والاقتصاد

Course

2027


توقيع السيد العميد



Course Description Template

.1 Course Name					
Human Body Systems and its Disorders (Anatomy and Pathophysiology)					
.2 Course Code					
WBH-21-4					
.3 Semester/Year					
2027-2026					
.4 Date this description was prepared					
2027/9/19					
.5 Usual forms of presence					
My presence					
.6 Total study hours (total) / Total number of units (total)					
4 hours / 3 units					
.7 Name of the course instructor (if there is more than one, list them all)					
: Email Name: Prof. Dr. Ali Hameed Shaalan					
.8 Course Objectives					
<ul style="list-style-type: none"> The course focuses on the fundamentals of human anatomy and pathophysiology, emphasizing the functional and general anatomical aspects of various body systems. It also provides students with a brief introduction to the study of diseases, teaching them how to apply concepts of pathology to each body system. In the practical (laboratory) component, students explore the general anatomy of the various systems of the human body. 				Course Objectives	
.9 Teaching and Learning Strategies					
<p>The comprehensive educational strategy for this course is based on "international comparative and analytical learning." Given the focus on the theoretical aspects—covering human anatomy, pathophysiology, and the application of disease concepts—the most appropriate pedagogical approach is "theoretical case-based learning" (CBL), supported by "anatomical-pathological concept mapping".</p>				Strategies	
.10 Course Structure					
Evaluation method	Learning method	Name of the unit or topic	Required learning outcomes	The Hou rs	The week

Oral questions	Lecture + discussion	Introduction to Human Anatomy and Pathophysiology	The student shall define fundamental concepts of anatomy and pathophysiology, identify levels of organization within human body, distinguish between normal function and pathological disorder, and use basic anatomical terminology.	3	1
Short quiz	Lecture + participation	Integumentary System and Its Disorders	The student shall describe structure and components of skin, explain its primary functions, identify common disorders, and correlate anatomical changes with clinical signs.	3	2
Short report	Lecture + practical examples	Skeletal and Muscular Systems and Their Disorders	The student shall identify components of the skeletal and muscular systems, explain the structure of bones, joints, and muscle movement and support, and describe—in simplified terms—the mechanisms underlying conditions such as fracture, arthritis, and osteoporosis, distinguish between various common musculoskeletal disorders.	3	3
Assignment	Lecture + debate/discussion	Nervous System and Its Disorders	Identify the main components of the nervous system; explain general terms, the functions of brain, spinal cord, and nerves; describe the mechanisms underlying certain common neurological disorders; correlate the site of a neurological injury with its functional manifestations.	3	4
Short quiz	Lecture + participation	Sensory Systems and Their Disorders	Identify the primary organs responsible for the senses; explain the general mechanism by which sensory information is received and transmitted; recognize various disorders affecting the eyes, ears, and other sensory systems; distinguish between normal physiological function and pathological changes.	3	5
Exam	Exam	Cardiovascular system and vascular system	First Month Exam	3	6
Monthly test	Written / In-person	Cardiovascular System and Its Disorders	Identify the components of cardiovascular system; explain circulatory process and primary functions; describe,	3	7

			simple terms, the mechanisms underlying high blood pressure and cardiovascular diseases; link specific cardiac disorders to their key clinical signs.		
Participation	Lecture + practical cases	Respiratory System and Its Disorders	Identify the main parts of respiratory system; explain mechanisms of breathing and exchange; describe certain respiratory disorders, such as asthma, pneumonia, and chronic obstructive pulmonary disease (COPD); and connect the respiratory disorders to changes in the system's function.	3	8
Assignment	Lecture + participation	Digestive System and Its Disorders	Identify the organs of digestive system; explain fundamental stages of digestion and absorption; describe common digestive disorders; and provide a general overview of the roles of the liver, pancreas, gallbladder in the digestive process.	3	9
Short report	Lecture + Case Study	Urinary System and Its Disorders	Identify the components of urinary system; explain primary functions of the kidneys in regulating fluids and eliminating waste; describe certain urinary and renal disorders; and establish the link between kidney dysfunction and specific pathological changes.	3	10
Short test	Lecture + Participation	Blood and Hematological Disorders	Identify the major endocrine glands and their functions; explain the fundamental role of hormones in regulating bodily functions; describe certain endocrine disorders, such as diabetes and thyroid conditions; and establish the link between hormonal imbalances and functional changes.	3	11
Report	Lecture + Participation	Infectious, Inflammatory and Immune Disorders	Identify the components of lymphatic and immune systems; explain the primary functions of the immune system; distinguish between a normal immune response and various immune disorders; and recognize certain diseases associated with immune system dysfunction.	3	12

Assignment	Discussion +	Systemic Disorders and Integration of Human Body Systems	Identify the basic components of blood; explain the principal functions of blood cells in plasma; describe certain blood disorders, such as anemia and coagulation disorders; establish the link between changes in blood components and specific pathological manifestations.	3	13
Class participation	Participation +	Immunologic and Immune Systems and Their Disorders	Define the concepts of infection, inflammation, and immune disorders; distinguish between normal response and pathological response; provide general explanation of how pathogens affect the body systems; and recognize the general signs of infection and inflammation.	3	14
Final exam	Writing / Attendance	Review	Second Monthly Examination	3	15

.11 Course Evaluation

The total grade of 100 is distributed based on the tasks assigned to the student, such as daily preparation, oral and written quizzes, monthly exams, and reports, as follows:

A- Daily preparation and class participation: 10 marks

B- Short quizzes: 10 marks

C- Reports and assignments: 20 marks

D- Monthly exam: 10 marks

E- Final exam: 50 marks

Total = 100 marks

.12 Learning and Teaching Resources

nothing	Required textbooks (course materials, if applicable)
nothing	Key references (sources)
Roiger, D., & Bullock, N. — Anatomy, Physiology and Disease: Foundations for the Health Professions. McGraw-Hill.	Recommended standard books and references (scientific journals, reports, etc.)
https://www.mheducation.com/highered/roduct/anatomy-physiology-disease-foundations-for-the-health-professions-roiger.html	Electronic resources and websites

