



weekly lesson schedule

Course Lecturer		Dr.Ali Mahde			
e-mail					
Title		General Biology			
Course Coordinator					
Course Objectives		study many forms of life in different organisms, as well as their relationship with the surrounding environment and their relationship to other sciences.			
Course Description		study of the basis of cell development in animals and plants and all life phenomena such as growth, movement, transformation, reproduction, adaptation, and others.			
Textbooks		Raven_Johnson_McGraw-Hill_Biology			
final exam 50	project	Assignment	daily exams	lab	Midterm Exam
	10	10	10	10	10
General Notes					



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Week	Date	Topics Covered	Number of Hours	Notes
١	1٠-11-2024	Introduction - The Science of Biology Why study biology is importance ,Diffinition of biology, Branches of Biology, Life's Levels of Organization		
٢	١٧-11-2024	The Characteristics of Living Organisms (1. Nutrition, 2. Respiration , 3. Movement , 4. Excretion, 5. Growth , 6. Reproduction, 7. Sensitivity), Classification of living organisms		
٣	2٤-11-2024	Introduction to cell, Diffinition of cell, The cell theory ,cell types (The differences between eukaryotic and prokaryotic cell), cell shapes		
٤	١-12-2024	Prokaryotic Cell Structure (ex: bacterial cell) , Eukaryotic Cell Structure (ex: Animal and Plant cell)		
٥	٨ -12-2024	Cell membrane, membrane composition, membrane transport (1.passive transport, 2.active transport). - passive transport(osmosis and diffusion) -active transport (bulk transport)		
٧-٦	15-12-2024 22-12-2024	Kingdoms of living organisms (Monera , Protista, Fungi, Plantae and Animalia), Properties of viruses, Structure of Viruses , Virus classification, Viral pathogenesis and infection, Portals of entry (routes of infection), Mode of transmission, Identification of Virus (Coronavirus)		
٩-٨	29-12-2025 5-1-2025	Monera Kingdom, ex: bacteria, Properties of Bacteria, Classification of Bacteria ,Clinical specimens reaching to the lab , Identification of Bacteria, infections of Bacteria, Mode of transmission, Prevention, Treatment		

١٢-١١-١٠	12-1-2025 19-1-2025 26-1-2025	Protista Kingdom, ex: Protozoa, Classification of protozoa , Protozoa Cell Structure (ex:Paramecium), Reproduction of Paramecium		
١٤-١٣	2-2-2025 9-2-2025	Parasitology, Types of Parasites , Medical parasitology, Method of parasitic entry, Life cycle, Diagnosing Parasite Infection, Examples of Medical parasitology		
١٥	16-2-2025	Fungi Kingdom, Introduction To Mycology, Importance of fungi (Beneficial Effects and Harmful Effects of Fungi), General properties of fungi, Nutrition of Fungi		

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