



Teaching plan for the second semester 2021-2022

Course Instructor	Noor Sami Aboud				
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Title	Virology				
Course Coordinator	15 weeks , 2 hours theoretical and 2 hours practical				
Course Objective	<ul style="list-style-type: none"> • study of viruses, types and structure. • Study of the human viral pathogen and how to prevent the viral infection 				
Course Description	Definition of virus, study of structure, types and life cycle. Study Some human viral pathogen ,viral vaccine and treatment				
Textbook					
References	<p>1- Medical Microbiology: Jawetz, Melnick & Adelberg's (2019). 2- Medical Microbiology & Immunology: Warren Levinson (2014). Virology Principles & Applications: Joen B. Carter & Venetia A. Saunders (2007).</p>				
Course Assessment	Term Tests	Laboratory	Quizzes	Project	Final Exam
	20%	13%	4%	3%	60%
General Notes					



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week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Virology, definition of virus, general properties and structure of viruses		
2		Shape and size of viruses, symmetry types and study atypical virus-like agents		
3		Viral replication (life cycle of virus)		
4		Viral pathogenesis		
5		Host immune response against viral infection		
6		Vaccinology		
7		Viral culture and laboratory diagnosis		
8		Classification some of important medical viruses (DNA)		
9		Classification some of important medical viruses (RNA)		
10		Exam		
11		Some viruses infected human and methods of protection (Herpesviruses)		
12		Some viruses infected human		

		and methods of protection (Paramyxoviruses , Orthomyxoviridae)		
13		Some viruses infected human and methods of protection (Influenza virus)		
14		Some viruses infected human and methods of protection (HIV and ebola virus)		
15		Some viruses infected human and methods of protection(hepatitis virus)		

Instructor Signature:

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