

## Course Description Form

1. Course Name:	
Medical Microbiology	
2. Course Code:	
3. Semester / Year:	
2023-2024	
4. Description Preparation Date:	
7-3-2024	
5. Available Attendance Forms:	
<ul style="list-style-type: none"> <li>- lectures including theoretical material</li> <li>- Small group teaching</li> <li>- Practical laboratory skills</li> <li>- Online teaching</li> </ul>	
6. Number of Credit Hours (Total) / Number of Units (Total)	
90 hours theory + 180 hours practical	
7. Course administrator's name (mention all, if more than one name)	
Name: Professor Dr. wijdan Nazar ALMusawi Email: wijdan.ibraheim@uobasrah.edu.iq	
8. Course Objectives	
<b>Course Objectives</b> Goals:	<ul style="list-style-type: none"> <li>* <b>Knowledge</b></li> <li>* <b>Evaluation</b></li> <li>* <b>Collaboration</b></li> <li>* <b>Ability to analyze</b></li> </ul>
9. Teaching and Learning Strategies	
<b>Strategy</b>	<p style="color: red; margin: 0;"><b>Learning and teaching</b></p> <ul style="list-style-type: none"> <li>- <b>lectures including theoretical material</b></li> <li>- <b>Small group teaching</b></li> <li>- <b>Practical laboratory skills</b></li> <li>- <b>Online teaching</b></li> </ul> <p style="color: red; margin: 0;"><b>Assessment method:</b></p> <p>Short examination after discussion Evaluation of practical performance at the end of the course</p>
10. Course Structure	

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
11. Course Evaluation					
Distributing the score out of 100 according to the tasks assigned to the student such as daily preparation, daily oral, monthly, or written exams, reports .... etc					
12. Learning and Teaching Resources					
Required textbooks (curricular books, any)			- Kuby-Immunology-6th-edition - Linda E Miller,Christine dorresteyn Steven ESSENTIALS OF CLINICAL IMMUNOLOGY HELEN CHAPEL, MANSEL HAENEY SIRAJ MISBAH AND NEIL SNOWDEN		
Main references (sources)			Cellular and Molecular Immunology Abul K. Abbas, MBBS		
Recommended books and references (scientific journals, reports...)			Linda E Miller,Christine dorresteyn Stevens Clinical-Immunology-and-Serology A Laboratory Perspective Fifth edition 2021 - Roitts Essential Immunology (Essentials)_13th_Edition		
Electronic References, Websites			Medical Journals in google scholar. WHO reports Pub med journals		

Course structure					
Method of assessment	Method of teaching	subject	Learning outcome	hours	week
Discussion Short essay questions	Lectures /Practical	Immunology/cytokines	Knowledge: in types classification and function Evaluate students Collaboration between students in discussion	4	1
Discussion Short examine questions	Lectures /Practical	Immunology/ Transplantation	Knowledge: about what's transplantation, which casue failure of the process Evaluate students Collaboration between	4	2

			students in discussion		
Discussion Short assay questions	Lectures /Practical	Virology / replication of viruses	Knowledge: steps of viral life cycles Evaluate students Collaboration between students in discussion	4	3
Discussion Short assay questions	Lectures /Practical	Virology / pathogenesis of viral disease	Knowledge: pathogenesis of disease caused by viruses Collaboration between students in discussion	4	4
Discussion Short assay questions	Lectures /Practical	Virology / control of viral infection	Knowledge: vaccination and anti viral drugs Evaluate students Collaboration between students in discussion	4	5