

# Course Description Template

**University Name: Warith AlAnbiyaa.....**

**Faculty/ Medicine.....**

**Scientific Department: Microbiology.....**

Academic or Professional Program Name: **Unit 2 Infection and Immunology**.....

**Final Certificate Name:** M.B.Ch.B.....

**Academic System: ...Integrated.....**

**Description Preparation Date: 2025**

**File Completion Date: 2025**

**Signature:**

**Head of Dept: Ali Mansoor**

Date: 24-8-2015

**Signature:**

**Vice Dean for Scientific Affairs:**

Date: 29-8-2024

## The file is checked by:

Department of Quality Assurance and University Performance

**Director of the Quality Assurance and University Performance**

**Department:**

Date:

**~~Signature:~~**

2. 2018/1/10

## Dean's approval





**Ministry of Higher Education and Scientific Research**

# **Academic Program and Course Description Guide**

**2025-2026**



## Course Description Form

1. Course Name: Microbiology and Immunology Unit	
2. Course Code: medu 109	
3. Semester / Year: 2025-2026	
4. Description Preparation Date: 2025-2026	
5. Available Attendance Forms: Lecture Attendance, Laboratory Sessions Attendance	
6. Number of Credit Hours (Total) / Number of Units (Total) 60	
7. Course administrator's name (mention all, if more than one name) Name: Nisreen Jawad Kadhim Email: nisreen.ja@uowa.edu.iq	
8. Course Objectives	
<b>Course Objectives</b>	<ul style="list-style-type: none"> <li>To describe the fundamental principles of microbiology, including the structure, physiology, genetics, and classification of microorganisms (bacteria, viruses, fungi, parasites).</li> <li>To explain the role of microorganisms in health and disease, including pathogenesis and host-microbe interactions.</li> <li>To outline the basic and clinical aspects of immunology, including innate and adaptive immunity, immune regulation, and immune responses to infection.</li> <li>To recognize the mechanisms of antimicrobial action, microbial resistance, and principles of infection control.</li> </ul>



- To integrate microbiology and immunology knowledge in the diagnosis, prevention, and management of infectious diseases.

## 9. Teaching and Learning Strategies

### Strategy

- Provide core theoretical knowledge in microbiology and immunology.
- Use of PowerPoint, animations, and multimedia to explain complex concepts (e.g., immune responses, microbial structures)

### Laboratory / Practical Sessions

Hands-on training in microscopy, staining techniques (Gram, acid-fast), culture methods, biochemical tests, antimicrobial sensitivity testing.

Demonstrations and supervised student experiments.

Application of biosafety and infection control practice

## 10. Course Structure

Week	Hours	Required Learning Outcomes	Unit or subject name	Learning method	Evaluation method
			Microbiology and Immunology U		

## 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  
100

## 12. Learning and Teaching Resources

Required textbooks (curricular books, if any)	
Main references (sources)	Jawetz, Melnick & Adelberg's Medical Microbiology Medical Microbiology – Murray,



Recommended books and references (scientific journals, reports...)	<b>Janeway's Immunobiology</b> <b>Lippincott's Illustrated Reviews: Microbiolo</b>
Electronic References, Websites	PubMed CDC Guidelines WHO Guidelines ASM Resources