

## Course Specifications

Course name: Microbiology

رمز المقرر 04-21-WNR

Course stage: Second year First Semester.

Credit Hours: 2 hours per week

Course Calendar: Total (30) hours per 15 Week (Theory (2) hrs. Practices (2) hrs.

Teacher name: Bahaa Alaa Farhan Certificate: MSc. Microbiology

Microbiology is the study of the characteristics of tiny, living things, and the way they affect the world. These tiny microbes affect just about everything by either application or disease. Microbiology helps track the negative and positive outcomes of the microbes' work.

Microorganisms have the ability to change as they affect their environments. The adaptation to certain therapies and medications is what makes the study of microbes so important to the nursing profession. Scientists use their advanced technology to gain a better understanding of these organisms so that people can remain safe and healthy while in the hands of nursing professionals.

Microbiology courses teach the basics of reproduction, morphology, and genetics. The course also teaches students about molecular identification methods, infectious diseases, and biochemical characteristics. Students also learn the influence biotechnology has on the development of certain medications and vaccinations..

### Methods of teaching (theory)

Direct interview with student to explain. ❖

Lecture ❖

- Discussion ❖

- Video viewing / ❖

- Seminars ❖

### Methods of evaluation

-Daily quiz.

-Daily report and seminar.

العدد :  
التاريخ :

-Monthly test.	-Final test.
<b>Resources and references:</b>	
Medical microbiology for nursing -	
Clinical microbiology -	

**List of contents:**

Week No.	Lecture title	Expected Date/
.1	Introduction to Microbiology science	
.2	Bacterial infection	
.3	Sterilization	
.4	Bacterial spores	
.5	Staphylococcus : SPP	
.6	Streptococcus SPP.	
.7	Genus Neisseria .	
.8	Mycobacterium	
.9	Clostridium SPP	
.10	Enterobacteriaceae	
.11	Salmonella SPP	
.12	* Shigells SPP	
.13	• Nosocomial infection	
.14	Mycology	
.15	Final test	

Signature ..... Date.....

Head of department signature ..... Faculty Dean approval

