Course Description Form/ Dr. Hanadi A. Jasim

1. Course Name:
Medical Microbiology
2. Course Code:
3. Semester / Year:
Annual Lectures and Practical 2023−2024
4. Description Preparation Date:
4−03−2024
5. Available Attendance Forms:
- lectures theoretical material - Practical laboratory skills
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: Hanadi Abdulqader Jasim Email: hanadi.jasim@uobasrah.edu.iq

8. Course Objectives	
Course Objectives	-Introduce students to medical microorganisms as they are pathogens. - Familiarize students with different laboratory diagnostic methods. - Familiarize students with how to determine and evaluate the results of diagnostic methods.

9. Teaching and Learning Strategies	
Strategy	Cognitive goals • Dissemination of scientific knowledge of medical microbiology • Determining the different diagnostic methods regarding to the scientific basis • Students acquire diagnostic skills and link results to pathogenic cases • Consolidation of scientific diagnostic knowledge about the available methods that serve the medical practice and the patient Teaching and Learning Methods: • Interactive lectures including theoretical material • Lectures and practical experiments according to small groups

- Discussions in small groups and in dialogue sessions between students undersupervision of teachers.

Assessment methods:

- Daily or weekly exams in practical and theoretical materials
- Mid-year theoretical and practical exams
- Final exams

Affective and value goals

- prepare highly orienteddoctor with background in medically importance microbial pathogens

Assessment methods

- Short exam after discussions
- Evaluation of practical performance in laboratories.

10. Course Structure

Method of assessment	Method of Teaching	subject	Learning outcome	hours	week
Discussion Short assay questions	Lectures and practical	Microbiology Principle and general concept	Bacterial cell structure	2	1
Discussion Short assay questions	Lectures and practical	Microbiology/ Principle and general concept	Microbial genetic	2	2
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	Aerobic bacilli/ *Bacillus*	1	3
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	Anaerobic bacilli/ *Clostridium*	2	4 & 5
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	*Corynebacterium* and *Listeria*	1	6
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	*Haemophilus* and *Bordetella*	2	7 & 8

Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	*Brucella*	1	9
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	*Bacteroides*	1	10
Discussion Short assay questions	Lectures and practical	Microbiology/ principle of Medical Mycology	Mycology	2	11& 12

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, if any)	Jawetz Medical Microbiology
Main references (sources)	• Jawetz Medical Microbiology • Bailey and Scott Diagnostic microbiology • Finegold and Baron Medical microbiology • Macki and Maccartney Diagnostic microbiolog
Recommended books and references (scientific journals, reports…)	• Medical Journals in google scholar. • WHO reports. • Pub med journals
Electronic References, Websites	• Web sites in medical microbiology. • ASM. website