

PROGRAMME SPECIFICATION

2022-2023

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COURSE SPECIFICATION

This Course Specification provides a concise summary of the main features of the course and the learning outcomes that a typical student might reasonably be expected to achieve and demonstrate if he/she takes full advantage of the learning opportunities that are provided. It should be cross-referenced with the program specification.

1. Institution	University of Basrah
2. College/ Department	College of Medicine Department of Microbiology
3. Course title	Microbiology
4. Modes of Attendance offered	Annual lectures and practical
5. Academic year	2022-2023
6. Number of hours tuition	Practical= 180 Theory= 90
7. Date	October/2022
8. Aim of program	
Knowledge;	
<ul style="list-style-type: none">• Introduce the students to most important pathogens and studying the infections that caused by them.• Familiarize students with different laboratory diagnostic methods	
<ul style="list-style-type: none">• Familiarize students with how to determine and evaluate the results of diagnostic	
Methods	

9· Learning Outcomes, Teaching ,Learning and Assessment Method

Cognitive goals

- knowledge of medical microbiology
- Knowledge different diagnostic methods.
- Students acquire diagnostic skills and link results to pathogenic cases
- knowledge about the diagnostic methods that serve the medical practice.

The skills goals special to the course.

- Scientific skill in diagnosing pathogenic bacteria
- Identify the available technologies and tools to achieve maximum benefit
- Conducting laboratory experiments that serve medical knowledge.

Teaching and Learning Methods

- Interactive lectures including theoretical material
- Lectures and practical experiments according to small groups
- Discussions in small groups
- Different virtual methods for online contact with students.

Assessment methods

- Daily or weekly practical and theoretical examination
- Mid-year theoretical and practical exams
- Final exams
- Short quizzes

Affective and value goals

prepare highly oriented doctor with background in medically importance microbial pathogens

Teaching and Learning Methods

- Interactive lectures including theoretical material
- Lectures and practical experiments according to small groups
- Discussions in small groups

Assessment methods

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

Emotional goals:

- Enabling students to be confident in medical diagnosis
- Guiding students with Orienting students towards ideals and higher moral values
- Consolidate the principle of basic medical education among students.
- Develop the spirit of work as they are future doctors in order to enhance the professional side.

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	Antimicrobial drugs	1	2
Discussion Short assay questions	Lectures and practical	Microbiology/ Principle and general concept	Microbial genetic	2	3
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	Aerobic bacilli/ <i>Bacillus</i>	1	4
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	Anaerobic bacilli/ <i>Clostridium</i>	2	5
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	<i>Corynebacterium</i> and <i>Listeria</i>	1	6
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	Enterobacteriaceae	1	7
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	<i>Haemophilus</i> and <i>Bordetella</i>	2	8
Discussion Short assay questions	Lectures and practical	Microbiology/ Medical bacteriology	<i>Brucella</i>	1	9
Discussion Short assay questions	Lectures and practical	Microbiology/principle of Medical Mycology	Mycology	2	10

11. Infrastructure

	Title	Author
1. Books Required reading:	Jawetz Medical Microbiology	
	Review of Medical Microbiology	Jawetz2018
	Text Book of Microbiology	Mackie & MacCarteney
	Diagnostic Microbiology	Bailey & Scott

2. Main references (sources)	<ul style="list-style-type: none">• Microbiology and Microbial Infection Topley & Wilson.• Colour Atlas & Text Book of Diagnostic• Jawetz Medical Microbiology• Bailey and Scott Diagnostic microbiology• Finegold and Baron Medical microbiology• Macki and Maccartney Diagnostic microbiology
A- Recommended books and references (scientific journals, reports...).	<ul style="list-style-type: none">• Medical Journals in google scholar.• WHO reports.• Pub med journals
B-Electronic references, Internetsites...	<ul style="list-style-type: none">• Web sites in medical microbiology.• ASM. website

12. The development of the curriculum plan

- Uses of modern teaching methods
- Adopted modern sources
- Access to corresponding universities courses
- Periodic meetings of development committees
- Periodic update of lectures
- Attending workshops and seminars for teaching and learning methods
- The department will provide practical training for students in the hospital's laboratories.