

Baghdad University
 College of Dentistry
 Department: Basic science
 Course title: Medical Microbiology
 Stage: 3rd



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 Qualifications: Medical
 microbiology

Week	Date	Topics Covered	Lab. Experiment Assignments	Notes
1		Morphology and Ultra-structures of M.Os: Eukaryotic Vs Prokaryotic cells:	Orientation to the Microbiology laboratory	2
2		Growth curve (diagram) phases	The microscope	2
3		Physiology and metabolism of M.O.	Sterilisation and disinfection	2
4		Sterilization	Bacterial growth	2
5		Antibiotic and Chemotherapy	Types of culture media	2
6		Immunology(part1)	Sampling and transport of test material	2
7		Immunology(part2)	Laboratory cultivation of microorganisms	2
8		Immunology(part3)	Bacterial identification: 1-Macroscopical characteristics (colonial morphology and cultural characteristics).	2
9		Immunology(part4)	2. Microscopical examination (morphology of bacterial cells).	2
10		The streptococci	Staining	2
11		The staphylococci	Biochemical tests (part 1).	2
12		Lactobacilli:	Biochemical tests(part2).	2
13		<i>Corynebacterium:</i> <i>C. diphtheriae</i> & <i>Diphtheriodes</i>	Biochemical tests(part3).	2
14		<i>Bacillus</i>	Antibiotic sensitivity test(part 1).	2
15		<i>Clostridium</i>	Antibiotic sensitivity test(part 2).	2
Half-year Break				
16		<i>Mycobacterium</i>	Serological tests (antigen and antibody detection tests) (part 1).	2
17		Enterbacteriaceae(part1)	Serological tests (antigen and antibody detection tests) (part 2).	2
18		Enterbacteriaceae(part2)	Nucleic acid assays, Animal	2

			pathogenicity test	
19		Fusiform	Staphylococci	2
20		Spirochaetes	Streptococci	2
21		<i>Actinomyces</i> and other Filamentous bacteria:	<u>Corynebacterium</u>	2
22		<i>Actinobacillus</i> :	Spore-forming Gram-positive bacilli: <u>Bacillus</u> spp.	2
23		Miscellaneous micro- organism	<u>Clostridium</u> spp.	2
24		Ecology of the oral flora	<u>Mycobacterium</u> spp.	2
25		Ecology of the oral flora	Enterobacteriaceae (part1)	2
26		Ecology of the oral flora	Enterobacteriaceae (part2)	2
27		Dental plaque and dental caries:	Enterobacteriaceae(part3)	2
28		Virology	<u>Neisseriae</u> spp.	2
29		Oral mycology	Virology	2
30		Parasitology:	Mycology	2