

## Flow up implementation celli play

<b>Course Instructor</b>	Assistant Lecturer Hussein Ali Kadhum				
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<b>Title</b>	Bacteriology				
<b>Course Coordinator</b>	Non				
<b>Course Objective</b>	<ol style="list-style-type: none"> <li>1. To know the principles and fundamental basis of the microorganisms as pathogens, growth, metabolism,</li> <li>2. To study the relation between the microorganisms , specially the bacteria, and tooth plaque and caries.</li> </ol>				
<b>Course Description</b>	This course deals with the study of the groups of microorganisms as related to structure, growth, morphology and it pathogenic effects on humans specially the tooth.				
<b>Textbook</b>	Jawetz, <i>et al.</i> , Medical Microbiology , 25 <sup>th</sup> ed.( 2010).				
<b>References</b>	<ol style="list-style-type: none"> <li>1. Arora, D.R. Textbook of Microbiology 3<sup>rd</sup> ed. 2012</li> <li>2. Stephen, H. Principles and Practice of Clinical Bacteriology 2<sup>nd</sup> ed. (2006).</li> <li>2. Prescott L. M., Microbiology, 5th ed. (2002).</li> </ol>				
<b>Course Assessment</b>	Term Tests	Laboratory	Quizzes	Project	Final
	20 (%)	10 (%)	10 (%)	----	60
<b>General Notes</b>	This course comprises two semesters with two hours theoretical and two hours practical sessions weekly. The final exam marks 30% for theoretical and 20% for practical.				

### Course weekly Outline

week	Date	Topics Covered	Lab. Experiment	Notes
1	6/12/2020	Introduction to Bacteriology	Lab. safety rules	
2	13/12/2020	Morphology & Structure of Bacteria	The microscope	
3	20/12/2020	Bacterial Cell Wall	Sterilization	
4	27/12/2020	Bacterial growth	Bacterial growth	
5	3/1/2021	Physiology & Metabolism of M.Os.	Growth on media	
6	10/1/2021	Relation between Bacteria & Diseases	Types of culture media	
7	17/1/2021	Ecology of the Oral Flora	Sampling of M.Os.	
8	24/1/2021	Oral Environment	Cultivation methods	
9	31/1/2021	Germ-free animals	Bacterial identification	
10	7/2/2021	Factors operating on oral flora	Bacterial staining	
11	14/1/2021	Dental Plaque	Acid fast & special stain	
12	21/1/2021	Dental Caries	Biochemical reaction	
13	28/2/2021	Immunology, Specific & Non-specific immune systems	Biochemical reaction	
14	2/3/2021	The Concept of Immunity	Antimicrobial therapy	
15	9/3/2021	Immunity of the Oral Cavity	Identification of M.Os.	
16	16/3/2021	The Streptococci	Identification of M.Os.	
<b>Half - year Break</b>				
17	11/4/2021	The Staphylococci	Study of Staphylococci	
18	18/4/2021	The Neisseriaceae	Study of Streptococci	
19	25/4/2021	The Corynebacteria	<i>Corynebacterium</i>	
20	2/5/2021	The Mycobacteria	<i>Mycobacterium</i>	
21	9/5/2021	The Enterobacteriaceae	Enterobacteriaceae	
22	16/5/2021	The Bacilli & Clostridia	G+ <i>Bacillus</i> spp.	
23	23/5/2021	The Lactobacilli	G+ <i>Clostridium</i> spp.	
24	30/5/2021	Fusiform & Spirochaetes	<i>Klebsiella</i> & <i>Proteus</i>	
25	6/6/2021	The Actinomyces	Actinomycetes	
26	13/6/2021	The Actinobacillus	The Neisseriae	
27	20/6/2021	The Bacteroides	<i>Shigella</i>	
28	27/6/2021	Miscellaneous Microorganisms	<i>Pseudomonas</i>	
29	4/7/2021	Virology & Viruses	Viruses	
30	11/7/2021	Oral Mycology & Parasitology	Fungi / media	

Instructor Signature:

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