



Jordan University of Science and Technology
Faculty of Applied Medical Sciences
Allied Dental Sciences Department

ADS212 Oral Microbiology

Second Semester 2023-2024

Course Catalog

2 Credit Hours. This course emphasizes the microbiological and immunological factors impacting not only the oral environment but the entire human body. Emphasis is placed on aspects of microbiology and immunology clinical application which will include some laboratory experiences

Teaching Method: On Campus

Text Book

Title	Essential Microbiology for Dentistry.
Author(s)	Samaranayake, L.
Edition	2nd Edition
Short Name	Ref# 1
Other Information	

Instructor

Name	Mrs. Yasemin Shboul
Office Location	M1-L-2
Office Hours	Sun : 10:30 - 12:30 Mon : 11:00 - 11:30 Mon : 12:30 - 13:00 Tue : 10:30 - 12:00 Wed : 08:30 - 10:00
Email	yashboul@just.edu.jo

Class Schedule & Room

Section 1:

Lecture Time: Mon, Wed : 10:00 - 11:00

Room: D4202

Prerequisites

Line Number	Course Name	Prerequisite Type
961070	BT107 General Biology Laboratory	Prerequisite / Study

Tentative List of Topics Covered

Weeks	Topic	References
Week 1	Introduction to microbiology science .	
Week 2	Discuss the bacterial cell structure and the differences between eucaryotes and procaryotes	
Week 3	Microbial diversity .Study different types of microorganisms and their morphology and structure .1.Bacteria and viruses	
Week 4	Microbial diversity , Fungi ,parasites and algae	
Week 5	Microbial growth and the factors affecting the growth of microorganisms	
Week 6	Microbial physiology and genetics	
Week 7	Microbial ecology. the microbiota of the oral cavity and the whole human body	
Week 8	The human defense system and immunology	
Week 9	Controlling human growth and antibiotics	
Week 10	Epidemiology and the terminology of pandemics	
Week 11	Healthcare epidemiology ,the nosocomial infections and cross infections	
Week 12	Most common infectious diseases of the human body and oral cavity, bacteria	
Week 13	Most common infectious diseases of the human body and oral cavity, viruses	
Week 14	Most common infectious diseases of the human body and oral cavity, parasites	

Week 15	Most common infectious diseases of the human body and oral cavity, fungi	
Week 16	Final Exam	

Relationship to Program Student Outcomes (Out of 100%)									
PLO 1	PLO 2	PLO 3	PLO 4	PLO 5	PLO 6	PLO 7	PLO 8	PLO 9	PLO 10

Policy	
Cell phone	Cell phones should be turned off during the class and should not be used during class time for any reason
Make-up exams	Any student miss the exam, should has an accepted legal excuse 24 hours after the scheduled exam.

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