UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Microbiologia

1819-2-H4601D005-H4601D016M

Aims

Preparation of expert odontologists by the acquisition of knowledge in different disciplines:

Microbiology: microbial agents responsible for infections and diseases of both general and odontostomatologic interests and understand the principles of microbiological diagnostics.

Contents

he course will provide,

Microbiology: modules allow students to know the microbial agents responsible for infections and diseases of interest to both general and odontostomatologic and understand the principles of microbiological diagnostics.

Detailed program

Microbiology:

General characteristics and classification of bacteria, viruses, fungi and protozoa pathogenic to humans. Host-parasite interactions. Mechanisms of microbial pathogenity. Physical and chemical methods for disinfection and sterilization. Infection control. Main methods useful in microbiological diagnostics. Main classes of antimicrobial agents. Prophylaxis of infections and use of vaccines. The microbial habitat of the oral cavity. Microbiology of dental plaque and

microbial biofilm: structure and organization. Microbiological aspects of dental caries. Microbiological aspects of periodontal diseases. Microbiological aspects of infections of the mouth. Notes on antimicrobial therapy and prophylaxis of oral infections.

Prerequisites

The goals of the
previous courses

Teaching form

Frontal lessons,
exercitations, laboratory stages

Textbook and teaching resource

- Microbiologia - P.R. Murray, Ken
Rosenthal, G.S. Kobayasky, M.A. Pfaller. EdiSES.

-
Microbiologia Odontoiatrica (4°edizione) – P.D. Marsh, M. Martin. UNI.NOVA

- Oral Microbiology (5th edition),
P.D. Marsh, M. Martin. CHURCHILL
LIVINGSTONE ELSEVIER

Semester

Second semester (March-June) of the second year course

Assessment method

Oral examination.

The oral examination will be preceded by a written multiple-choice test, comprising 90 questions with only one correct answer (among 4), aimed at evaluating global comprehension of microbiology program. The text will be passed with 51 exact answers, the value of each exact answer is 0.35 point.

The oral examination consists in the discussion of the
remaining part of the integrated course, aimed at verifying the student ability to make connections and provide details. The final score will be the weighted mean of the two tests

Office hours

By appointment