UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Prosthetic and Laboratory Technologies

2122-3-H4601D015-H4601D041M

Aims

Give knowledge regarding Dental Aesthetics and Prosthetic Materials.

Examine the properties of different prosthetic products from an aesthetic, biological, phonetic and bio mechanical point of view.

Compare construction techniques especially about CAD CAM technology.

Contents

Review of the cranio facial and dental anatomy giving particular attention to the aesthetic and phonetic aspects.

Study of the physical, biological and mechanical properties of commonly used materials in Prosthodontics and their correlation with different types of prosthetic devices.

Analysis of different types of dental devices.

Principles of construction of dental devices.

Digital design and manufacturing techniques with indications for the use of different materials.

Detailed program

Lectures:

- Study of dental anatomy and TMJ

- Study of masticatory biomechanics

- Principles of dento-labial aesthetics and phonetics and their correlations with the spatial position of the teeth

- Analysis of physical, chemical, biological and mechanical properties of dental materials

- Practical application of different materials properties in relation to different prosthetic devices

- Dental laboratory steps

- Clinical application of different prosthetic devices

- Clinical indications of different prosthetic plan of treatments

Laboratory classes:

- Orthogonal drawing of teeth

- Soap carving of teeth (scale 4:1)

Prerequisites

Give knowledge of dental materials fundamental properties and stomatognathic system anatomy.

Teaching form

Frontal lectures and practical classes, subject to any ministerial changes following COVID pandemic situation.

Textbook and teaching resource

Title: La riabilitazione estetica in protesi fissa

Author: Fradeani Mauro - BarducciGiancarlo
Editor: Quintessenza

Title: Estetica e precisione. Procedure cliniche e di laboratorio

Author: Massironi Domenico - Pascetta Romeo - Romeo Giuseppe
Editor: Quintessenza

Title: Tecnologia dei materiali dentali

Author: Simionato Francesco
Editor: Piccin-Nuova Libraria

Semester

Second Semester

Assessment method

Oral exam and evaluation of the drawings and carved teeth, subject to any ministerial changes following COVID pandemic situation.

Office hours

Wednesday from 8.30 to 10.00 by appointment