UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Prosthetic and Laboratory Technologies

2223-3-H4601D015-H4601D041M

Aims

Give knowledge regarding Dental Esthetics and Prosthetic Materials.

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

Compare construction techniques especially about CAD CAM technology.

Furthermore provide the bases for economic evaluation of production processes

Contents

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

Studyofthephysical,biologicalandmechanicalpropertiesofcommonly used materialsinProsthodontics and their correlation with different types of prosthetic devices.

Analysisofdifferenttypesofdentaldevices.

Principlesofconstructionofdentaldevices.

Digitaldesign and manufacturingtechniques withindicationsforthe use of differentsmaterials.

Main business and production processess economic measurements

Detailed program

- Study of dental anatomy and TMJ

- Study of masticatory biomechanics

- Principles of dento-labial esthetics 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

- Orthogonal drawing of teeth

- Soap carving of teeth (scale 4:1)

General principles of business administration, Revenues and financing of health services provided under the NHS, Cost analysis and margin assessments, Programming and control tools (outline)

Prerequisites

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

Admmission to III year course

Teaching form

Frontal lectures and practical classes sometimes with support of concrete or simulated cases

Textbook and teaching resource

Title:La riabilitazione estetica in protesi fissa

Author: Fradeani Mauro - Barducci Giancarlo
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

Office hours

Wednesdayor Mondayfrom8.30to10.00byappointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING