UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Contact Lens Laboratory

2627-2-E3006Q010

Aims

The aims fall within the area of "Professional training" and refer to the following Dublin Descriptors:

1 – Knowledge and understanding

- Provide knowledge and skills to select, apply, and manage soft and rigid gas-permeable (RGP) contact lenses

2 – Applying knowledge and understanding

- Develop skills in the use of instruments and technologies related to contact lens application

3 – Making judgements

- Develop the ability to reflect independently on the course content

4 – Communication skills

- Develop the ability to communicate effectively and contribute proactively to group work

5 – Learning skills

- Develop the ability to reflect independently on the course content in order to acquire learning skills with a view to future developments in the field

Contents

Soft contact lenses
RGP contact lenses

Detailed program

Instruments:
Keratometer; Topographer; Slit lamp: direct lighting techniques; Soft contact lenses fitting; Slit lamp: indirect lighting techniques.

Soft contact lenses:
Soft contact lenses control; Materials and geometries for soft contact lenses; Tear film tests; After fitting controls and gradind scales; Soft toric lenses; Selection criteria for soft contact lenses; Over-refraction.

RGP contact lenses:
RGP lenses fitting; Evaluation of the fluorescein pattern; Materials and geometries for RGP lenses; Maintenance of contact lenss; Multifocal contact lenses; Scleral lenses, hybrid lenses and special cases; Orthokeratology.

Prerequisites

Use of the keratometer, geometric optics notions

Teaching form

- 24 hours: lectures in person za (preparation for the laboratory experiences)
- 72 hours: interactive laboratory activities in person (students will be divided into 2 groups and subgroups)

Textbook and teaching resource

- Slides and course presentations provided via e-learning.
- Book: Edward S. Bennett - Clinical Manual of Contact Lenses

Semester

First trimester: instruments
Second trimester: soft contact lenses
Third trimester: RGP contact lenses

Assessment method

Theoretical/practical tests in laboratorytests during the year

Office hours

by appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | LIFE BELOW WATER