



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Modelling

1920-1-H4102D004-H4102D011M

Aims

The objective of the module is to enable students to acquire and deepen their knowledge about human modelling techniques starting from diagnostic images and 3D scanning systems up to 3D printing of body parts and organs.

Contents

The module contents concern: i) techniques and tools to create and use 3D geometric model of human body and anatomical districts at different level of details; ii) simulation techniques; iii) technologies for the 3D printing of anatomical districts and organs.

Detailed program

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LABORATORY SESSIONS

Laboratory sessions are programmed in order to guide the student in the direct experimentation and use of SW packages for 3D anatomical districts acquisition and 3D modeling of human body and/or its parts starting from medical images and 3D scanning.

Prerequisites

None.

Teaching form

- _____
- _____

Textbook and teaching resource

Lectures Slides

Semester

I semester

Assessment method

- _____
- _____

Office hours

Thursday, h. 14.30
