UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

3d Printing For Medical Applications

1920-3-H4102D046

Aims

The course aims at providing the students with notions about the technological opportunity and challenges about Additive Manufacturing (AM) processes applied to the medical field.

Contents

The working principles of the most relevant Additive Manufacturing technlogies will be shown for the production of medical devices, prostheses, orthoses and implants. Notable case studies will be shown and discussed.

Detailed program

Process bringing from 3D CAD data to an AM printed object.

Cassification and working principles of AM technlogies according to international standards.
Case studies of state of the art applications of AM technologies in the medical field.

Prerequisites

none

Teaching form

Frontal lectures, AM manufactured objects will be available and shown.

Textbook and teaching resource

SLides and bibliographic references

Semester

second term

Assessment method

attendance

Office hours

by email:
daniele.regazzoni@unibg.it