



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Amputee Rehabilitation

2526-3-I0201D146-I0201D163M

---

#### Aims

Introduce the student to various possible rehabilitation scenarios for functional restoration following amputation and adequate prosthesis of a limb. Introduce the main rehabilitation protocols for functional restoration after surgery with external fixation device and Ilizarov.

#### Contents

- Morphological and biomechanical characteristics of the abutments after surgery for the upper and lower limbs

Post-operative problems and phantom limb syndrome

- Trophism care, prevention and functional ability improvement for the preparation of the different types of abutments based on the type of prosthesis and the quality of functionality expected
- From the simplest to the robotic prostheses, criteria for choosing a prosthesis
- Weaning and training in the use of the prosthesis up to the packaging of the most appropriate, exemplification through clinical cases

#### Detailed program

## **Prerequisites**

previous years lessons

## **Teaching form**

mixed version between didactic teaching (frontal lessons) and interactive teaching (discussion in small groups on observation of the gait)

## **Textbook and teaching resource**

Handouts

## **Semester**

second

## **Assessment method**

Exam in attendance

Multiple choice test comprising 5 questions with only one correct answer

Open questions

Oral exam according to the professor

## **Office hours**

On appointment

## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

---

