



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Anatomy of The Locomotor System

2122-1-I0201D129-I0201D106M

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#### Aims

Knowledge of the principal components of the skeleton, muscular system, joints and ligaments will be required.

#### Contents

The course will provide the anatomical basis to understand the functional organization of the locomotor system

#### Detailed program

- Classification and microscopic characteristic of the bones - Classification and macroscopic characteristics of the muscles, tendons fasciae and sheaths; bone growth, modification of muscles during life and modifying factors
- Head: general architecture, skeletal segments, joints, muscle groups and their function - cranial fossae
- Vertebral column: general architecture, vertebral joints, ligaments, muscle groups and their functions
- Scapular girdle: general architecture, skeletal segments, joints, ligaments, muscle groups and their functions
- Upper limbs: general architecture, skeletal segments, joints, ligaments, muscle groups and their functions
- Thorax: general architecture, skeletal segments, joints, ligaments, muscle groups and their functions
- Abdominal wall: general architecture, muscular groups, inguinal ligament, inguinal tract

-Lower limbs: general architecture, skeletal segments, joints, ligaments, muscle groups and their functions

### **Prerequisites**

College-level scientific knowledge

### **Teaching form**

Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation

### **Textbook and teaching resource**

A. Vercelli, Anatomia Umana Funzionale, Minerva Medica

Martini, Anatomia Umana, Edises

### **Semester**

1st term

### **Assessment method**

Described in the subject's syllabus

### **Office hours**

Mon-Fri by appointment

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