UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Special Kinesiology

2223-1-I0201D129-I0201D107M

Aims

The student at the end of the course should know the correct terminology for the biomechanical description of the joint heads. The student should know how to recognize the different interactions between joint heads of different morphology. The student should be able to apply principles of biomechanics to joint and periarticular soft tissues and bone heads. Describe and recognize the salient features of the movement system/

Contents

An introduction to the analysis of normal human movement activities through the application of mechanical concepts including displacement, velocity, acceleration, force, and torque. Emphasizes kinematic and kinetic concepts relevant to human movement and introducing the study of the structures involved in movement.

Detailed program

Kinematic and osteokinematic - joint kinematics - Principles of biomechanics - Kinesiology terminology

Prerequisites

Teaching form

Lessons in attendance

Textbook and teaching resource

Handouts

Kinesiology of the Musculoskeletal System Foundations for Rehabilitation di: Donald A. Neumann Editore: Mosby Edizione: 3 Data pubblicazione: 2016

I muscoli Funzioni e test con postura e dolore di: E. Kendall McCreary,F. Kendall Editore: Verduci Edizione: 5 Data pubblicazione: 2005

Semester

First Semester

Assessment method

Described in the subject's syllabus (Multiple choice questions, open questions)

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING