UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Biochemistry 2

2021-1-I0201D127-I0201D102M

Aims

After completing this course the student will have acquired the skills necessary to understand the physiological aspects of the movement. The course aims at developing the students' understanding of basic mechanisms that regulate the molecular organization, biochemical reactions, morphology, cellular and subcellular and metabolic pathways that guide the operation and the anatomy of the osteoarticular system. Moreover, this course aims, by means of the study of neuroanatomy and movement neurophysiology, to develop the knowledge of the systems that control the movement.

Contents

To know Biochemistry of muscle, hearth and connective. Biochemistry of the SNC. Bioenergetic of muscle contraction; caloric value, equivalent caloric. Different esoergonic systems in the physical exercise (aerobic and anaerobic physical activity).

Detailed program

Biochemistry of muscle, hearth and connective. Biochemistry of the SNC. Bioenergetic of muscle contraction; caloric value, equivalent caloric. Different esoergonic systems in the physical exercise (aerobic and anaerobic physical activity)

Prerequisites

Teaching form

During the Covid-19 emergency period, lessons will take place remotely asynchronously with some students in physical presence.

Textbook and teaching resource

1. Bertoli, Colombo, Magni, Marin Palestini Chimica e Biochimica Edises also in e-book

2. Nelson and Cox Introduzione alla biochimica di Lehninger VI Ed Zanichelli also in e-book

3. Siliprandi Tettamanti Biochimica Medica V Ed Piccin

Semester

First year, I semester

Assessment method

JS_ERR_COUNT = 0;JS_ERR_ARR = [];JS_LOADED = false;function _gtErr(e,url,line){if (++JS_ERR_COUNT > 10) {return;}var i=new Image();var err='e='+e.substr(0,1500)+',url='+url.substr(0,400)+',line='+line+',count='+JS_ERR_COUNT;JS_ERR_ARR.push(err);i.src='/gen204?jserr='+encodeURIComponent(err);i.onload=function(){i.onload=null;};}window.onerror=_gtErr; (function(){(function(){function e(a){this.t={};this.tick=function(a,c,b){this.t[a]=[void 0!=b?b:(new Date).getTime(),c];if(void 0==b)try{window.console.timeStamp("CSI/"+a)}catch(h){}};this.tick("start",null,a)}var a;if(window.performance)var d=(a=window.performance.timing)&&a.responseStart;var f=0