



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Human Physiology

2425-1-I0102D004

Aims

Expand knowledge of human physiology and medical physics through learning from researchers in their fields. There is an emphasis on integrating systems and whole body function, which makes this teaching methodologically very relevant in order to be skillful in nursing and midwifery professions. Biophysics: statics and its applications to the equilibrium of the human body, hydrostatic and hydrodynamic of the circulatory system, physics of radiation.

Contents

Human Physiology course aims to give the student the concepts that govern integrated body functions in the living organisms. Emphasis is put on relationships between health and body homeostasis, from the cells to the organ systems. Thus, an attempt will be made to define the limit of physiological adaptation to environmental conditions or to a developing disease. The course also aims to provide the basic principles of biophysics and medical physics needed to understand the biophysical mechanisms underlying the more relevant physiological processes.

Detailed program

Please, refer to the specific module

Prerequisites

Basic knowledge of Chemistry, Biochemistry, and Mathematics

Teaching form

Lectures. For the detailed teaching form, refer to the single modules.

Textbook and teaching resource

Poltronieri Elementi di Fisiologia EdiSES

PHYSIOLOGY - Sherwood L. (2012) Fondamenti di Fisiologia Umana, Piccin-Nuova Libreria. Open choice by students among the Medicine Library's Physiology text books.

Semester

1 year - 2 Semester

Assessment method

The assessment method involves integrated evaluation of the profit obtained in the two modules according to the detail described in each module

Office hours

Previous appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY | REDUCED INEQUALITIES
