



UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Human Physiology

2324-1-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. The general aims of the course are to provide students with basic knowledge of Physics and Physics of radiation, necessary to carry on their profession

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

Refer to the individual modules

Prerequisites

Basic knowledge of Chemistry, Biochemistry, and Mathematics.

Teaching form

Lectures

Textbook and teaching resource

Refer to the individual modules

Semester

1st Year, 2nd Semester

Assessment method

Written test. Two tests will be administered, one concerning the part of medical physics and one concerning the part of human physiology. Refer to the individual modules for specific descriptions. The two tests must be passed in the same appeal.

Office hours

Previous appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING
