UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

# Integrated Medical and Surgical Pathology 1

**2223-3-H4101D257**

## Aims

The Medical-Surgical Pathology Course 1 is aimed at achieving the following objectives:

1. acquisition of the different methods of patient assessment with particular attention to collection of medical history, performance of physical examination and laboratory tests with a perspective on their subsequent application in clinical practice, in the frame of patient management; 2.acquisition of the main symptoms and signs of the pathologies considered and their pathophysiological bases. The topics of the Course constitute the necessary tools for understanding the semeiological bases and the pathophysiological aspects of the main morbid conditions considered, in order to allow for an adequate approach to their management in the clinical field. The notions provided represent the indispensable basis for the acquisition of a scientific method applicable to the management of patients in the context of all medical and surgical specialties that the student will face in the course of his professional growth.

Patient's history taking, with focus on cardiovascular and respiratory problems, Diagnostic assessment with critical data interpretation, Physical examination, Main clinical signs and symptoms related to medical and surgical pathologies of the cardiovascular and respiratory system, with guidance to their diagnosis and understanding of their pathophysiology.. Knowledge of normal ranges of the main diagnostic tests for the cardiovascular and respiratory systems. Role, limitations and purpose of laboratory tests

## Contents

Collection and interpretation of patients' medical history, main signs and symptoms of cardiovascular and respiratory diseases. To provide the tools for the correct use of biochemical tests, and the definition of their indications and interpretation. Information on how to perform correctly a physical examination with particular regards to venous and arterial vessels, as well as to cardiovascular and respiratory systems. Differential diagnosis of the symptoms of the main diseases of the two systems, with guidance to understanding their pathophysiology and to their diagnostic/prognostic evaluation.

## Detailed program

For the detailed program, please refer to the individual modules

## Prerequisites

Propaedeutic skills as indicated in the School of Medicine and Surgery main program.

## Teaching form

Lectures and practical training in a clinical setting

Lessons will be provided in presence, unless differntly required by any ministerial indication following the COVID pandemic situation

## Textbook and teaching resource

topics ( slides) addressed during the lectures in presence.

Harrison's: "Principles of Internal Medicine" Ed. McGraw Hill, last edition

For further insight

HURST- The Heart - Ed. McGraw Hill latest edition

Dioguardi – Sanna: Moderni aspetti di semeiotica medica - Segni sintomi e malattie Ed.Seu

Sabiston: "Textbook of surgery" Ed. Saunders

Zanussi: "Il metodo in medicina clinica" Ed. Mattioli

McPherson RA, Pincus MR Henry's Clinical Diagnosis and Management by Laboratory Methods, 23a English edition. Ed. Elsevier, 2016

Federici G. Medicina di laboratorio ed McGraw-Hill. IV ed., 2014

Marshall W, Lapsley M., Day A Clinical chemistry ed Mosby. 8a ed. Ed. Elsevier, 2016

## Semester

First Semester

## Assessment method

The finale examination is based on an oral test which consists of 4 separate interviews on the following topics: cardiology, pneumology, vascular surgery and laboratory exams.

Such an oral test is aimed at extensively assessing the candidates knowledge in relation to the entire teaching program, with evaluation of their ability to explore the required topics more in depth and to make links to related issues.

## Office hours

By appointment by mail

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING