UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## Respiratory Sciences

**2627-4-H4102D089-H4102D100M**

### Aims

Attendance at the Pulmonology inpatient ward and outpatient clinics.
Participation in the daily clinical meeting.
Team-based work on pulmonary cases: case preparation, presentation and discussion, interpretation of the main imaging studies and pulmonary function tests, formulation of differential diagnoses, and treatment planning.
Debriefing of clinical cases during two plenary sessions with clinical tutors.

### Contents

Students will begin their clinical approach to patients with respiratory diseases by applying basic knowledge of history taking and chest examination (Dublin Descriptor 2). They will integrate anatomical and clinical information to recognize signs and symptoms, interpret basic chest imaging, and support initial diagnostic reasoning (Descriptor 3). Under supervision, they will start interacting with patients and healthcare staff, and begin to communicate using appropriate medical-scientific terminology (Descriptor 4). They will take part in clinical activities with a responsible and respectful attitude towards both patients and healthcare professionals (Descriptor 5).

### Detailed program

First contact with the respiratory patient: basic history taking and chest examination
Clinical overview of common respiratory diseases
Introduction to pulmonary function tests
Basic chest imaging: X-ray and point-of-care ultrasound
Essentials of oxygen therapy and non-invasive ventilation
Principles of infection control and personal protective equipment use

## Prerequisites

Basic Clinical Skills course
Basics concepts of anatomy and physiology of the respiratory system

## Teaching form

Practical guided observation activities with briefings and debriefings by hospital tutors of Respiratory Medicine Unit

## Textbook and teaching resource

to be defined by the tutor

## Semester

First semester

## Assessment method

Practical skills observation and rating scale assessment

## Office hours

by email appintment

## Sustainable Development Goals

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