



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Respiratory Sciences

2223-4-H4102D027-H4102D100M

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#### Aims

The student will attend the wards and outpatient departments of Respiratory Medicine to acquire the first clinical skills

#### Contents

The clerkship will cover the most important aspects related to the commonly Respiratory diseases. Students will acquire the basic knowledge required to take history and recognize acute and chronic respiratory failure and obstructive and restrictive diseases signs and symptoms. Students will take part to both outpatient and inpatient clinical activity, including attendance in pulmonary function tests laboratory. Alongside the medical staff they will improve skills in carrying out the physical examination and in the indications for the prescription and interpretation of arterial blood gas analysis and chest radiological imaging.

#### Detailed program

Take a history, perform a physical examination on patients with pulmonary diseases such as asthma, chronic obstructive pulmonary disease, interstitial lung disease, pulmonary hypertension, pulmonary embolism, pneumonia and respiratory failure and basic concept of their clinical management

Take a history, perform a physical examination on patients with pleural diseases such as pleurisy and pneumothorax and basic concept of their clinical management

Take a history, perform a physical examination on patients with pleuropulmonary cancer and indication to diagnostic procedure such as Thoracentesis, Trans thoracic biopsy and Bronchoscopy

Know the main bronchopulmonary diseases secondary to exposure to smoke

Indication and basic concepts of interpretation of pulmonary function tests including spirometry, lung volumes, diffusing capacity of carbon monoxide and exhaled nitric oxide detection

Chest plain radiograph, CT-scan and US in pulmonary diseases: indication and relevant findings

Basic concept about prescription of oxygen therapy and non invasive ventilation

Use of personal protective equipment in the patient with respiratory infection

## **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 appointment

**Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

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