UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## Integrated Medical and Surgical Pathology 3

**2021-3-H4101D260**

### Aims

**RHEUMATOLOGY:**

Elements of Semiotics (joint physical examination, laboratory tests, imaging); Epidemiology of rheumatic diseases, systemic connective- spondyloarthritis -vasculitis: etiology / pathogenesis, diagnostic criteria, laboratory and instrumental investigations, clinical picture, elements of therapy.

**HAEMATOLOGY:**

Etiology, anatomical and clinical characteristics of the main hematological (anemia, leukemia, myeloproliferative syndromes, coagulopathy). Interpretation of clinical signs and laboratory information for diagnosis; Including NGS techniques. Main therapeutic programs in hematology based on evidence.

**INFECTIOUS DISEASES:**

Etiology of major infectious diseases (bacterial, viral, fungal) and related clinical and laboratory typical signs for diagnosis and therapy.

**UROLOGY:**

Major urological syndromes, urogenital infections, Urinary, Oncology, Urology, Andrology Pathology, Laboratory Medicine.

**NEPHROLOGY:**

To provide evidence-based knowledge of the main medical diseases of the kidney and urinary tract. Ability to define the degree of renal function, to understand the major lab and diagnostics tests and ability in defining a

diagnostic pathway. Knowledge of the main methods of renal replacement therapy: dialysis and transplantation

## Contents

To use the knowledge of Anatomy, Physiology, Biochemistry and others basic disciplines in dealing with organ and/or apparatus pathologies.

To be able to critically evaluate the commonly used diagnostic methods in medical practice.

To recognize the signs and symptoms of major diseases, to understand the results of laboratory and instrumental tests.

To know the pathogenesis and prognosis of the handled diseases.

## Detailed program

Detailed program is available under the section of each module

## Prerequisites

Physiology, General Pathology

## Teaching form

Frontal lessons with audio-visual aids and open discussion in the classroom, practice in smaller groups in outpatient clinics, wards and operating rooms.

During the Covid-19 emergency period, lessons will take place in a mixed mode:partial presence and asynchronous/synchronous videotaped lessons.

## Textbook and teaching resource

Educational material is available under the section of each module

## Semester

second semester

## Assessment method

The assessment of achieved objectives will be verified with written tests and oral exam. 33 single-answer questions with 4 answers of which only one exact (30 points) and oral exam (30 points).

The student who refuses a score >20 cannot participate in the next exam session.

During Covid-19 emergency period, oral exams will be telematic only.

## Office hours

see the section of each module