



**UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA**

SYLLABUS DEL CORSO

Medicina Interna 2

2627-2-I0101D011-I0101D036M

Aims

At the end of the course, students will be able to:

1. Knowledge and understanding:
Describe the characteristic signs and symptoms of major infectious diseases. Explain the main underlying pathophysiological mechanisms. Recognize the essential stages of the diagnostic process and the most commonly used diagnostic tools. Describe the main therapeutic approaches and their clinical objectives.
2. Applying knowledge and understanding:
Relate observed clinical data (signs and symptoms) to the corresponding pathophysiological processes. Analyze the implications of diagnostic investigations for clinical and therapeutic decision-making.
3. Making judgements:
Critically reflect on diagnostic and therapeutic decisions and on the patient care pathway.
4. Communication skills:
Present key clinical, pathophysiological, and therapeutic content using appropriate technical language.
5. Learning skills:
Develop independent learning abilities by continuously expanding knowledge and competencies in line with the evolution of clinical practice and scientific evidence, promoting evidence-based care.

Contents

The course addresses the main clinical conditions within its scope, describing their signs and symptoms, pathophysiological mechanisms, key elements of the diagnostic process, and therapeutic approaches.

Detailed program

General principles of infectious diseases.

Host–pathogen interaction. Modes of transmission of infectious diseases.

General principles in the management of infectious diseases.

Basic concepts of pharmacokinetics and pharmacodynamics of antibiotics.

Parenterally transmitted infectious diseases. HIV/AIDS infection.

Tuberculosis and airborne infectious diseases.

Infectious diseases of the respiratory tract: pneumonia and influenza.

Central nervous system infections: meningitis and meningoencephalitis.

Infectious diarrhea and fecal–oral transmitted diseases.

Nosocomial infections and the management of patients with multidrug-resistant organisms.

Infectious risk in immunocompromised patients.

Malaria and tropical medicine. Dengue fever and West Nile virus infection. SARS-CoV-2 (COVID-19) infection.

Prerequisites

Defined by the academic regulations.

Teaching form

4 two-hour face-to-face lectures delivered in expository mode using a tele-teaching system.

Textbook and teaching resource

- Hinkle J.L., Cheever K.H. (2024) Brunner – Suddarth, Infermieristica Medico-Chirurgica, VI ed. Milano: Casa Editrice Ambrosiana, Vol. 1 e 2.

Course materials provided by the lecturer.

Semester

2nd Year, 2nd Semester.

Assessment method

See the course homepage.

Office hours

Faculty members are available by appointment, which can be requested via email:

giuseppe.lapadula@unimib.it

Sustainable Development Goals

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