

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

### **COURSE SYLLABUS**

## **Pharmacology**

2324-5-H4102D043-H4102D144M

#### **Aims**

Main aim of the course is to provide students with gastrointestinal pharmacology. The course will present and describe available pharmacological strategies for the treatment of gastric pathologies (gastric acidity, ulcers, esophageal reflux), gastrointestinal motility, emesis, hepatic and pancreatic diseases, gut inflammation. Mechanism of action, therapeutic properties, drug interactions, and side effects will be presented.

#### Contents

Main classes of drugs, mechanisms of action, drug interactions and precautions.

#### **Detailed program**

Drugs for the treatment of gastric acidity, peptic ulcer, esophageal reflux.

Drugs for the control of gastrointestinal motility: prokinetics and treatment of stypsis and diarrhea.

Drugs for the treatment and prevention (vaccines) of hepatic and pancreatic diseases.

Anticancer drugs for the treatment of gastrointestinal neoplasia.

Work in groups: the microbiome.

Prerequisites
Propaedeutic skills
Teaching form
Frontal lectures All course activities will be held in English language
Textbook and teaching resource
Bertram G. Katzung "Basic and clinical pharmacology" 14th Edition. LANGE
Goodman & Gilman "The Pharmacological Basis of Therapeutics" 13th Edition, Laurence L. Brunton, Randa Hilal-Dandan, Björn C. Knollmann. McGraw-Hill Education
Rang & Dale "Pharmacology" 14th Edition, Elsevier.
Semester
Second
Assessment method
Multiple choice test
Oral examination on the topics covered during the lectures, discussion on clinical problem solving and clinical case analysis
All assessments will be done in English language

## **Sustainable Development Goals**

Office hours

On appointment