UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

# COURSE SYLLABUS

## General Surgery 1

**2425-2-I0101D025-I0101D064M**

### Aims

The course aims to provide students with the knowledge of main human diseases and treatments, considering pharmacological and surgical approaches. At the end of the course, students will be able to identify and respond to patients needs in a general surgery setting, using the nursing process. Students will also know: the main classifications of surgical intervention related to complexity, level of urgency and purpose and the different ways of caring in a surgical context; the organization of staff and process in an operating suite; the role and competencies of the primary nurse; the goals and evaluation of health education interventions.

### Contents

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### Detailed program

Stomach: anatomy and physiology of secretion; gastric ulcer (epidemiology, pathogenesis, HP, clinic, diagnosis, medical and surgical treatment); stress ulcer; malignant neoplasms (histologies, risk factors, classification, TNM, clinical, diagnosis, surgery, oncology and palliative). Esophagus: diverticula to drive and traction; reflux disease and hiatal hernias; varices; Barrett's esophagus. Malignancies: Colorectal: acute appendicitis (clinical diagnosis, severity, surgical therapy); diverticular disease (etiology, diagnosis, complications, medical and surgical therapy);

outline of chronic inflammatory diseases; malignancies (precancerous lesions, histological types, risk factors, classification, TNM, clinics, diagnosis, surgery, oncology and palliative therapies); the ileum and colostomies. Pancreas: mild and severe acute pancreatitis (definition, pathophysiology, clinical, medical and surgical treatment, late complications); chronic pancreatitis (idem). Exocrine neoplasms (epidemiology, histological types, clinics, diagnosis, surgery and its complications). Notes of the endocrine cancers (insulinoma, gastrinoma, glucagonoma). Liver: surgical anatomy; diagnostic instruments (ultrasound, CT, MRI); primary and secondary cancers. Biliary tract: cholelithiasis; cholecystitis; choledocholithiasis. Cholangitis. Anus: digital rectal examination; the symptoms and signs of anal disease; prolapse; hemorrhoids; fissures; abscesses; fistulas; cancer. Hernias: anatomy of the inguinal canal and the spermatic cord; frequent types of hernia (direct and indirect inguinal, femoral, umbilical, congenital); clinical diagnosis; complications of hernias; surgical therapy (front and laparoscopic): notes of the intervention and postoperative complications; incisional hernias. Postoperative complications: wound (dehiscence, hematoma, seroma, infection); risk factors for infectious complications; fever (meaning, causes and types); respiratory complications (atelectasis, pleural effusion, pneumonia, edema, embolism); cardiac complications (hypertension, ischemia / infarction, arrhythmias); renal complications (retention, IRA); gastrointestinal complications (ileus paretic and mechanical compartment syndrome, bleeding, colitis, dehiscence, fistulas, liver failure, colostomies); neurological complications (postoperative delirium).

## Prerequisites

Positive evaluation in these previous examinations: Fundamentals of Nursing and Midwifery Sciences; Nursing Clinical Methodology; Biomedical Sciences 1; Human Physiology.

## Teaching form

Lectures in presence. Some lessons will be given through the Teledidattica mode

## Textbook and teaching resource

Lise M. (2017), Chirurgia per le professioni sanitarie, V edizione Piccin, Padova

## Semester

2nd Year, 1st Semester

## Assessment method

Written exam consisting of open questions with short answers, and multiple choice questions . To pass the examination the student must attain sufficiency in the overall score (?18/30) and in each single discipline (Surgical nursing and Community nursing), General Surgery and Pharmacology

## Office hours

On appointment to be agreed by email

## Sustainable Development Goals

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