



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Technological Innovation in Surgery

2526-4-H4101D083

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#### Aims

The aim of the course is to take the student to learn about newly acquired surgical methods and techniques, relating to the application of pharmacological aids, biomaterials, techniques of laparoscopic and robotic surgery.

#### Contents

Description of new surgical methods and techniques, both relevant to the applications of new devices and biomaterials. Historical notes of surgical techniques and their evolution. The relationship between surgery and interventional radiology. Integration with basic sciences.

#### Detailed program

Blood coagulation techniques.

Surgical sutures techniques.

Techniques of mini-invasive and robotic surgery.

Techniques of mechanical anastomosis.

Techniques of liver resection, liver hypertrophy.

Interventional radiology session.

## **Prerequisites**

Medical students at 4th year and over

## **Teaching form**

Lectures. Demonstrations in surgical rooms. Lessons will be provided in presence

## **Textbook and teaching resource**

Lecture notes.

## **Semester**

Second semester

## **Assessment method**

Final discussion, based on the attendance to the course

## **Office hours**

By appointment, arranged by e-mail  
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## **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

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