

## COURSE SYLLABUS

### Point of Care Ultrasound in Emergency Medicine and Emergency Surgery

2425-5-H4101D389

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#### Aims

The course aims to provide theoretical and practical elements for the use of ultrasound in daily clinical practice, with particular attention to the context of emergency medicine and surgery.

#### Contents

- Principles of ultrasound technique
- Ultrasound in trauma
- Ultrasound in abdominal emergencies
- Vascular ultrasound
- Lung ultrasound
- Echocardiography

#### Detailed program

- Principles of ultrasound technique
  - \* Physics of ultrasound
  - \* Basic ultrasound technique
  - \* Types of probes
  - \* Ultrasound anatomy
- Ultrasound in trauma
  - \* Ultrasound according to the Extended-FAST protocol

- Ultrasound in abdominal emergencies
  - \* Ultrasound of the biliary tract and gallbladder (with main pathological findings)
  - \* Ultrasound of the urinary tract (with main pathological findings)
  - \* Ultrasound of the appendix (with main pathological findings)
- Vascular ultrasound
  - \* Ultrasound in DVT - CUS (with main pathological findings)
- Chest ultrasound
  - \* Lung ultrasound and main pathological findings
- Echocardiography
  - \* Emergency echocardiography and main pathological findings

## **Prerequisites**

Knowledge of anatomy, physiology, general pathology, and systematic medical and surgical practice.

## **Teaching form**

Interactive teaching with practical exercises using ultrasound machines on live models.

## **Textbook and teaching resource**

Lectures' slides

## **Semester**

II semester

## **Assessment method**

Attendance to the Course

## **Office hours**

By appointment by mail  
marco.ceresoli@unimib.it

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION

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