



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## COURSE SYLLABUS

### Ultrasonography: Technology and Technique

2223-3-I0303D029

---

#### Aims

Provide the main concepts about ultrasound technology and technical

#### Contents

Technology of ultrasonography, production and processing of ultrasonographic images, how to use them

#### Detailed program

History and physical principles of ultrasound (u.s.), image production and processing, methods of investigation by u.s., different types of probes, major artifacts, Doppler effect, the morphology of the curve velocitometrica, Doppler ultrasound, angiography-color-power; screening of a short film and exercise with portable ultrasound scanner

#### Prerequisites

Third year of the Degree Course

#### Teaching form

Lectures and practical training

### **Textbook and teaching resource**

The teacher will provide educational materials

### **Semester**

Second semester

### **Assessment method**

Attendance

### **Office hours**

By appointment required by mail.

### **Sustainable Development Goals**

GOOD HEALTH AND WELL-BEING

---