



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Emergency

2425-6-H4102D039-H4102D187M

---

#### Aims

- Gain knowledge of fundamentals of methods of hemodynamic monitoring from non-invasive to invasive systems
- Provide general advice about the diagnosis and management of septic shock and related clinical scenarios in pregnancy
- Provide general advice about the emergency treatment of preeclampsia and eclampsia
- Understanding the pathophysiology of hemorrhagic shock and provide general advice about the treatment of obstetric hemorrhages and intrapartum emergencies
- Gain knowledge of fundamentals of neonatal and pediatric resuscitation, starting from basics of evaluation of vital parameters in neonatal and pediatric patient

#### Contents

The course will provide basic knowledge for the diagnosis, monitoring, and treatment of the principal emergency situations in pregnancy, newborn and pediatric patients. Starting from the pathophysiology of medical and surgical emergencies in pregnancy, newborn, and pediatric, the course will provide instruments for the recognition and basic treatments of lifethreatening conditions.

#### Detailed program

- Fundamentals of hemodynamic monitoring

- Septic shock in pregnancy
- Preeclampsia and Eclampsia: Emergency Treatment
- Management of obstetric haemorrhages
- Intrapartum Emergencies
- Principles of neonatal Resuscitation
- Principles of pediatric Resuscitation

## **Prerequisites**

Fundamentals of cardiovascular and respiratory physiology and pathophysiology  
Fundamentals of shock types and pathophysiology  
Fundamentals of BLS-D and ACLS

## **Teaching form**

Teaching for a total of 10 hours of frontal lessons.

## **Textbook and teaching resource**

The teaching material necessary for in-depth study of the lessons will be provided during their delivery.

## **Semester**

First semester 6th year

## **Assessment method**

There are no ongoing tests for this course.  
For the evaluation method, please refer to the Syllabus of the Mother and Child track.

## **Office hours**

on appointment by email

## **Sustainable Development Goals**

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

---