



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Emergency

1819-2-H4102D015-H4102D047M

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#### Aims

At the end of the course/activity block, the student will be able to:

- Learning the basics and mechanisms of physiopathology, diagnosis, monitoring and treatment of clinical emergencies, medical and surgical.
- Apply BLS and ACLS cardio-pulmonary resuscitation protocols

#### Contents

Evaluation of the patient general conditions.

Guidelines for the recovery and maintenance of the vital functions (BLS and ACLS).

Acute cardiac failure.

Neurological emergencies. Coma and syncope.

Acute Respiratory Failures.

Shock (diagnosis and treatment).

#### Detailed program

- Venous access in emergency.

- Vital signs recording in emergency.
- Cardiac defibrillation and pacing.
- CPR simulation.
- Evaluation and treatment of comatose patient.
- Evaluation of patients undergoing emergency surgery.
- Airways management.
- Acid base interpretation.
- Treatment of shock.

Evaluation and treatment of poly trauma.

## Prerequisites

Pre-clinical block (anatomy, biochemistry, physiology...) successfully passed

## Teaching form

Clerkship program, with rotation in small groups (about max 10 students) in surgical specialties and in the emergency department:

- Course methodology for BLS e ACLS
- Practice sessions with puppets or among students/teachers
- Discussion of clinical cases

## Textbook and teaching resource

- Kleinman ME, et Al. Part 5: adult basic life support and cardiopulmonary resuscitation quality: 2015 American Heart Association Guidelines Update for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. *Circulation*. 2015;132(suppl 2):S414–S43
- Callaway CW, et Al. Part 4: advanced life support: 2015 International Consensus on Cardiopulmonary Resuscitation and Emergency Cardiovascular Care Science With Treatment Recommendations. *Circulation*. 2015;132(suppl 1):S84–S145
- Tintinalli's Emergency Medicine Manual. [David M. Cline](#), [Michael T. Fitch](#), [O. John Ma](#), [Rita K. Cydulka](#), [Scott A. Joing](#), [Vincent J. Wang](#). [McGraw-Hill](#). 8th Edition.

ISBN:17-9780071837026

## **Semester**

second term

## **Assessment method**

Ongoing tests:

- Practical tests/maneuvers
- Multiple choice tests

Final test:

- Multiple choice tests
- Practical tests/maneuvers

BLSD and ACLS

## **Office hours**

on appointment

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