



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Cardiovascular Anatomy I

2122-4-H4102D024-H4102D078M

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#### Aims

To provide the concepts necessary for understanding embryonic development of the heart and fetal growth of the heart. To provide the concepts related to the anatomy of the heart and the vessels

#### Contents

The lessons will cover the most important aspects related to the embryological, anatomic and functional features of cardiovascular system, with focus on the anatomic description of the heart and major blood vessels. Students will acquire the basic knowledge required to recognize cardiac and vessels anatomy and understand the location, spatial relationships and function of its most important structures

#### Detailed program

- 1) Anatomical concepts related to heart embryology and development
- 2) The heart: basic concepts regarding cardiomyocytes, connective tissue, sinoatrial node, and the conduction tissue
- 3) Anatomical concepts related to heart chambers and pericardium: normal and pathological aspects
- 4) Anatomical concepts related to heart valves apparatus: normal and pathological aspects
- 5) Anatomical concepts related to systemic circulation anatomy: normal and pathological aspects

**Prerequisites**

Basic knowledge of fundamentals of biology, genetics, morphology, histology, physiology of the cardiovascular system

**Teaching form**

Lessons in attendance, subject to any ministerial changes following the COVID pandemic situation

**Textbook and teaching resource**

To be determined

**Semester**

First semester.

**Assessment method**

Integrated Written exam: multiple-choice questions

**Office hours**

on appointment by email.

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