



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Anatomia 2 B

2021-1-H4101D002-H4101D009M

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#### Aims

The objectives of the course are to provide expertise in normal anatomy, cytology, histology, embryology. Teaching will include reference to topographic, radiologic, and clinical anatomy.

Practical activities using models (also virtual 3D), light microscope observations and clinical case simulations will be used to reach the teaching objectives.

#### Contents

The primary goal of the course is to provide a good knowledge of the embryonic development and of the gross anatomy of the human body, and of the aging changes required for a correct physical examination and understanding of the diseases pathogenesis.

#### Detailed program

NERVOUS SYSTEM

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Lectures will be partnered by multi approach interactive laboratories, to allow students a closer study of the examined topics. In particular, students will use both different anatomy models (Upper and Lower limbs; Eye and Ear; Skull and Brain), and multimedia sources such as 3D virtual models, to recognize the main features of each organ. In addition, some laboratories will be focused on quizzes based on lectures' topics, and/or on basic clinical cases, later discussed with the teacher.

## **Prerequisites**

See Anatomia Istologia Umana

## **Teaching form**

Frontal lessons and practical sections.

During Covid emergency lessons will take place partly in presence and partly by recorded lessons.

## **Textbook and teaching resource**

-G. Anastasi e altri autori. Trattato di Anatomia Umana (3 volumi). Edi-Ermes (ed), 2009.

-“Prometheus” testo-atlante di Anatomia, II edizione, 3 volumi

-S. Standring. Anatomia del Gray – Le basi anatomiche per la pratica clinica – 41° ed. EDRA

- - H. Ellis/V. Mahadevan. Anatomia clinica (Italian edition F. Cappello). Idelson-Gnocchi 2019

More on the central nervous system:

Vercelli A. Boido M. Neuroanatomia funzionale - Idelson-Gnocchi (2019)

L. Heimer. The Human Brain and Spinal Cord –Functional neuroanatomy and dissection guide. Springer-Verlag (ed), 1995.

Dockery P, Gruener G, Mtui E - Fitzgerald. Neuroanatomia con riferimenti funzionali e clinici- Edra

-“Barr: Il Sistema Nervoso dell’Uomo. Basi di Neuroanatomia” di Kiernan JA e Rajakumar N. II edizione. Edises

(2015)

Haines DE. Neuroanatomia nel contesto clinico. Strutture, sezioni, sistemi e sindromi. Atlante. Edi-Ermes

Atlas;

- Netter. Atlante di anatomia umana, Frank H. Netter, Editore: Edra

- Anatomia umana. Atlante. Curatori: G. Anastasi, C. Tacchetti, Editore: Edi. Ermes

## **Semester**

annual

## **Assessment method**

A mid-course assessment is scheduled for the end of the first semester, by a multiple choice quiz focused on Citology, Histology, Embriology, head and neck and thoracic region anatomy (nervous system and vascular system excluded) and musculoskeletal system.

At the end of the Course an oral examination is employed to test students' knowledge and it will follow a practical demonstration at the light microscope of the capacity of the student to recognize the normal microscopic features of human organs.

During the exam anatomical models and diagnostic images might be used to assess students' knowledge.

During the Covid-19 emergency oral exams will be performed only online, using Esamionline platform for the written examination and the WebEx platform (with a public link on E-learning) for the oral one.

## **Office hours**

See Anatomia Istologia Umana

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