

# UNIVERSITÀ DEGLI STUDI DI MILANO-BICOCCA

# **COURSE SYLLABUS**

# **Human Anatomy and Stomatognathic System II**

2021-1-H4601D002-H4601D007M

۸i	m	_

Knowledge of the general anatomy and basic of the anatomy of the stomatognathic apparatus

## **Contents**

Knowledge of the general features of the normal anatomy necessary to understand the basis of pathological changes

Detailed program	
Central nervous system	
Basic concepts on nervous system development.	

Ventricular system: cerebral ventricles, their location and relationships, communication with subarachnoid space. Cerebrospinal fluid (CSF): composition, circulation and functions.

Meninges: architecture and functions.
Basic knowledge of the main sensory and motor pathways: s
Peripheral nervous system
Cranial nerves, spinal nerves (plexuses) and their territory of innervation.
Autonomic nervous system
Laboratories
To deepen and to reinforce the lectures' topics, gross anatomy laboratories will be provided. During this interactive teaching, students will use anatomy models, as well as they will be guided in the solution of quizzes and easy clinical cases, in small groups and under the supervision of the teacher.
In particular, by using anatomy models, students will recognize the main features of:
<ul><li>Skull and brain</li><li>Peripheral nerves in Upper and Lower Limbs</li></ul>
Besides that, multimedia sources and 3D virtual models will be used to further improve anatomy knowledge.
Exam simulations will also be performed with multiple choice questions and/or open questions.
Prerequisites
College level scientific knowledge

During the Covid-19 emergency, lessons will be provided in presence (according to the rules given by the University) and in streaming. The link will be uploaded in the E-learning platform, as well as the recorded lessons.

**Teaching form** 

During the Covid-19 emergency, in case of impossibility to provide the practical experiences in presence, learning material will be made available online on the e-learning platform. The microscopic anatomy laboratories will be provided by in streaming lessons.

# Textbook and teaching resource

- G. Barbatelli e altri autori. Anatomia Umana. Fondamenti. Con istituzioni di istologia. Edi-Ermes
- G. Anastasi e altri autori. Trattato di Anatomia Umana (3 volumi). Edi-Ermes (ed), 2009.
- "Prometheus" testo-atlante di Anatomia, II edizione, 3volumi
- S. Standring. Anatomia del Gray Le basi anatomiche per la pratica clinica 41° ed. EDRA
- Ellis H, Mahadevan V. Anatomia Clinica Edizione italiana a cura di F. Cappello Idelson-Gnocchi (2019)
- Rezzani R, Rodella LF. Anatomia microscopica e diagnosi differenziale d'organo. EdiSES
- Mescher AL. Junqueira, istologia di base: Testo e atlante. Piccin
- Young B. Wheather, istologia e anatomia microscopica. Edra-Masson

#### Atlanti:

- Netter. Atlante di Anatomia umana, Frank H. Netter, Editore: Edra
- Anatomia umana. Atlante. Curatori: G. Anastasi, C. Tacchetti, Editore: Edi. Ermes

#### Semester

1st and 2nd terms

#### Assessment method

A mid-course assessment is scheduled for the end of the first semester, by a multiple choice quiz focused on Citology, Histology, Gross Anatomy. Moreover, the knowledge of microscopic anatomy will be assessed by the identification of a histological slide.

At the end of the course, the assessment will be based on an oral examination focused on Head Anatomy.

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

Mon-Fri by appointment