



UNIVERSITÀ DI PAVIA

Anno Accademico 2020/2021

MORPHOLOGIC SCIENCES

Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	2nd semester (01/03/2021 - 18/06/2021)
ECTS	7
Language	Italian

The activity is split

501695 - **PATHOLOGICAL ANATOMY**

500162 - **HISTOLOGY**

501698 - **GENERAL PATHOLOGY**

503641 - **HISTOLOGICAL TECHNIQUES**



UNIVERSITÀ DI PAVIA

Anno Accademico 2020/2021

PATHOLOGICAL ANATOMY	
Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	MED/08 (PATHOLOGICAL ANATOMY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/03/2021 - 18/06/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	MORBINI PATRIZIA - 2 ECTS
Prerequisites	
Learning outcomes	
Course contents	
Teaching methods	
Recommeneded or required readings	
Assessment methods	
Further information	
Sustainable development goals - Agenda 2030	



UNIVERSITÀ DI PAVIA

Anno Accademico 2020/2021

HISTOLOGY	
Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	BIO/17 (HISTOLOGY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/03/2021 - 18/06/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	ICARO CORNAGLIA ANTONIA - 2 ECTS
Prerequisites	
Learning outcomes	
Course contents	
Teaching methods	
Recommeneded or required readings	
Assessment methods	
Further information	
Sustainable development goals - Agenda 2030	



GENERAL PATHOLOGY	
Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	MED/04 (GENERAL PATHOLOGY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/03/2021 - 18/06/2021)
ECTS	2
Lesson hours	16 lesson hours
Language	Italian
Activity type	WRITTEN TEST
Teacher	CAZZALINI ORNELLA (titolare) - 2 ECTS
Prerequisites	Contents of the courses of cellular biology, biochemistry and anatomy.
Learning outcomes	The aim of the course is to introduce students to the etiological and pathological basis of diseases.
Course contents	<p>Definition of Pathology. Methods of study. Alterations as a result of the interaction between genetic and ecosystem.</p> <p>Etiology Pathogens: a) intrinsic body: genetic disorder with nods to the causes of birth defects; b) extrinsic to the (environmental pathology): 1) physical agents (radiation, high and low temperatures); 2) chemicals (mechanism of injury, routes of absorption and elimination, defense mechanisms, exogenous toxins, poisons endogenous);</p>

	<p>3) nutritional abnormalities 4) biological interactions.</p> <p>Regressive processes (Cellular Pathology)</p> <ul style="list-style-type: none"> • hypoplasia, ipotrofia; • cellular accumulation; • pathological calcifications; • pathological pigmentation; • necrosis and apoptosis. <p>Reactive processes The regeneration.</p> <p>Inflammation: causes, moments, aspects, evolution; chronic inflammation.</p> <p>Pathological growth Hypertrophy and hyperplasia.</p> <p>Tumor biology: definition, benign and malignant tumor, invasion, metastasis, cachexia, etiology, principles of classification, epidemiology, influence of diet.</p> <p>Complex lesions Thrombus Atherosclerotic lesion</p>
Teaching methods	Lectures
Recommended or required readings	<p>Pontieri - Elementi di Patologia generale per corsi di laurea in professioni sanitarie - Piccin</p> <p>Parola - Patologia generale - EdiSES</p> <p>Stivala e Vannini - Guida allo studio della Patologia generale - Print Service</p> <p>The slides of the lectures will be available in Kiro site.</p>
Assessment methods	Written exam composed by open questions or multiple choice.
Further information	Written exam composed by open questions or multiple choice.
Sustainable development goals - Agenda 2030	\$Ibl legenda sviluppo sostenibile



HISTOLOGICAL TECHNIQUES	
Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	BIO/17 (HISTOLOGY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	BIOMEDICAL LABORATORY TECHNIQUES
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	(01/03/2021 - 18/06/2021)
ECTS	1
Lesson hours	8 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	ICARO CORNAGLIA ANTONIA - 1 ECTS
Prerequisites	
Learning outcomes	
Course contents	
Teaching methods	
Recommeneded or required readings	
Assessment methods	
Further information	
Sustainable development goals - Agenda 2030	

