



## GENERAL PATHOLOGY

<b>Enrollment year</b>	2020/2021
<b>Academic year</b>	2020/2021
<b>Regulations</b>	DM270
<b>Academic discipline</b>	MED/04 (GENERAL PATHOLOGY)
<b>Department</b>	DEPARTMENT OF MOLECULAR MEDICINE
<b>Course</b>	BIOMEDICAL LABORATORY TECHNIQUES
<b>Curriculum</b>	PERCORSO COMUNE
<b>Year of study</b>	1°
<b>Period</b>	(01/03/2021 - 18/06/2021)
<b>ECTS</b>	2
<b>Lesson hours</b>	16 lesson hours
<b>Language</b>	Italian
<b>Activity type</b>	WRITTEN TEST
<b>Teacher</b>	CAZZALINI ORNELLA (titolare) - 2 ECTS
<b>Prerequisites</b>	Contents of the courses of cellular biology, biochemistry and anatomy.
<b>Learning outcomes</b>	The aim of the course is to introduce students to the etiological and pathological basis of diseases.
<b>Course contents</b>	<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>

- 3) nutritional abnormalities
- 4) biological interactions.

Regressive processes (Cellular Pathology)

- hypoplasia, ipotrofia;
- cellular accumulation;
- pathological calcifications;
- pathological pigmentation;
- necrosis and apoptosis.

Reactive processes  
The regeneration.

Inflammation: causes, moments, aspects, evolution; chronic inflammation.

Pathological growth  
Hypertrophy and hyperplasia.

Tumor biology: definition, benign and malignant tumor, invasion, metastasis, cachexia, etiology, principles of classification, epidemiology, influence of diet.

Complex lesions  
Thrombus  
Atherosclerotic lesion

**Teaching methods**

Lectures

**Recommended or required readings**

Pontieri - Elementi di Patologia generale per corsi di laurea in professioni sanitarie - Piccin

Parola - Patologia generale - EdiSES

Stivala e Vannini - Guida allo studio della Patologia generale - Print Service

The slides of the lectures will be available in Kiro site.

**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**

[SBI legenda sviluppo sostenibile](#)