



GENERAL BIOLOGY

Enrollment year	2020/2021
Academic year	2020/2021
Regulations	DM270
Academic discipline	BIO/06 (COMPARATIVE ANATOMY AND CYTOLOGY)
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING
Course	BIOENGINEERING
Curriculum	Sanita' digitale
Year of study	1°
Period	(28/09/2020 - 22/01/2021)
ECTS	3
Lesson hours	23 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	REBUZZINI PAOLA - 3 ECTS
Prerequisites	
Learning outcomes	The course consists of two modules, both conducted in the first half year. The module of General Biology precedes that of Human Genetics.
Course contents	<p>The module aims to provide the basic principles of human genetics.</p> <p>Module of Cell Biology</p> <p>The objective of this module is to provide the basis of structure and function of cells. The course focused on the characteristics of cells.</p> <p>Structure of the eukaryotic cell: relation between form and function. Plasma membrane.</p> <p>Structure and function of cellular organelles: the vacuolar apparatus (nuclear envelope, rough and smooth endoplasmic reticulum, Golgi</p>

	<p>apparatus, lysosomes), mitochondria, cytoskeleton.</p> <p>Brief introduction on tissues.</p>
Teaching methods	<p>Lectures (hours/year in lecture theatre): 23</p> <p>Practical class (hours/year in lecture theatre): 0</p> <p>Practicals / Workshops (hours/year in lecture theatre): 0</p>
Reccomended or required readings	Colombo e Olmo: BIOLOGIA -CELLULA E TESSUTI. EdiErmes
Assessment methods	<p>Oral exam.</p>
Further information	
Sustainable development goals - Agenda 2030	\$lbl_legenda_sviluppo_sostenibile