



GENERAL BIOLOGY

Enrollment year	2021/2022
Academic year	2021/2022
Regulations	DM270
Academic discipline	BIO/06 (COMPARATIVE ANATOMY AND CYTOLOGY)
Department	DEPARTMENT OF ELECTRICAL, COMPUTER AND BIOMEDICAL ENGINEERING
Course	BIOENGINEERING
Curriculum	PERCORSO COMUNE
Year of study	1°
Period	1st semester (27/09/2021 - 21/01/2022)
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	The module aims to provide the basic principles of human genetics. Module of Cell Biology The objective of this module is to provide the basis of structure and function of cells. The course focused on the characteristics of cells. Structure of the eukaryotic cell: relation between form and function. Plasma membrane. Structure and function of cellular organelles: the vacuolar apparatus (nuclear envelope, rough and smooth endoplasmic reticulum, Golgi

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