

Anno Accademico 2020/2021

BIOINFORMATICS AND CELL AND TISSUE DESIGN		
Enrollment year	2019/2020	
Academic year	2020/2021	
Regulations	DM270	
Department	DEPARTMENT OF ELECTRICAL,COMPUTER AND BIOMEDICAL ENGINEERING	
Course	BIOENGINEERING	
Curriculum	Cellule, tessuti e dispositivi	
Year of study	2°	
Period	1st semester (28/09/2020 - 22/01/2021)	
ECTS	15	
Language	Italian	
The activity is split		
503310 - BIOINFORMATICS AND SYNTHETIC BIOLOGY		
509088 - TISSUE ENGINEERING		



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BIOINFORMATICS AND SYNTHETIC BIOLOGY		
Enrollment year	2019/2020	
Academic year	2020/2021	
Regulations	DM270	
Academic discipline	ING-INF/06 (ELECTRONIC AND INFORMATION BIOENGINEERING)	
Department	DEPARTMENT OF ELECTRICAL,COMPUTER AND BIOMEDICAL ENGINEERING	
Course	BIOENGINEERING	
Curriculum	Cellule, tessuti e dispositivi	
Year of study	2°	
Period	1st semester (28/09/2020 - 22/01/2021)	
ECTS	9	
Lesson hours	76 lesson hours	
Language	Italian	
Activity type	ORAL TEST	
Teacher	PASOTTI LORENZO - 6 ECTS PASOTTI LORENZO - 3 ECTS	
Prerequisites		
Learning outcomes		
Course contents		
Teaching methods		
Reccomended or required readings		
Assessment methods		
Further information		



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Department	DEPARTMENT OF ELECTRICAL,COMPUTER AND BIOMEDICAL ENGINEERING	
Course	BIOENGINEERING	
Curriculum	Cellule, tessuti e dispositivi	
Year of study	2°	
Period	1st semester (28/09/2020 - 22/01/2021)	
ECTS	6	
Lesson hours	49 lesson hours	
Language	Italian	
Activity type	ORAL TEST	
Teacher	FASSINA LORENZO (titolare) - 6 ECTS	
Prerequisites	=	
Learning outcomes	One of the fundamental purposes of Tissue Engineering and Regenerative Medicine is to "build" implantable substitutes of tissues and organs. This course will provide an overview of normal tissues and organs and Tissue Engineering strategies to heal their damage.	
Course contents	Biology of the cell and of the extracellular matrix. Anatomy, physiology, and substitutes of the following tissues and organs: - skin - bone - cartilage - skeletal muscle - nerve	

	 arterial blood vessel pancreas liver kidney heart muscle. Stereology.
Teaching methods	=
Reccomended or required readings	On Kiro.
Assessment methods	Oral exam.
Further information	Oral exam.
Sustainable development goals - Agenda 2030	\$Ibl_legenda_sviluppo_sostenibile_