



PLASTIC SURGERY	
Enrollment year	2019/2020
Academic year	2020/2021
Regulations	DM270
Academic discipline	MED/19 (PLASTIC SURGERY)
Department	DEPARTMENT OF MOLECULAR MEDICINE
Course	MEDICAL AND PHARMACEUTICAL TECHNOLOGIES
Curriculum	Medico: Biotecnologie mediche e ricerca biomedica
Year of study	2°
Period	2nd semester (01/03/2021 - 28/05/2021)
ECTS	3
Lesson hours	24 lesson hours
Language	Italian
Activity type	ORAL TEST
Teacher	NICOLETTI GIOVANNI (titolare) - 3 ECTS
Prerequisites	The student should know basic Pathology and Histology.
Learning outcomes	The goal of the Course is to teach in training Biotechnologists the biotechnological implications of current plastic surgery, with particular regard to regenerative surgery.
Course contents	Wound healing biology and clinics. Advanced dressings. Technologies to stimulate the granulation tissue growth. Stem cells, Growth factors and substrates. Cells grafting. Skin bank. Bioengineered skin and skin substitutes. Implants and fillers: classification, biological reactions, clinical use, regulation, manufacturing process. Introduction of related industry companies.
Teaching methods	traditional classes with projection of clinical, histologic and technical images. Theoretical parts of the lessons are uploaded on KIRO web portal a few

	days before each class, to let the students understand thoroughly the traditional classes.
<b>Reccomended or required readings</b>	<p>A. Faga "Chirurgia Plastica, ricostruttiva ed estetica" 3<sup>a</sup> ed. Masson Elsevier LSWR publ.</p> <p>The biotechnological peculiar topics are highlighted on a pale green background.</p>
<b>Assessment methods</b>	<p>The exam is oral and is based upon the whole program. When preparing the exam, the student should refer to both the lessons and the textbook. The oral dissertation should be organized with logical order moving from the general to the particular and it should be supported by solid arguments, in a correct Italian language with the appropriate use of medical terminology.</p>
<b>Further information</b>	<p>The industry companies are introduced to promote the students entry into the world of work.</p>
<b>Sustainable development goals - Agenda 2030</b>	<p><a href="#">\$ibl legenda sviluppo sostenibile</a></p>