

Name of the Lecture	Biomaterials
Level of the Lecture	Graduate
Length of the Lecture	25 minutes
Type of the Lecture	Online
Lecturer	Assoc. Prof. Dr. Denisa Ficai
Lecturer Email	denisa.ficai@upb.ro
Aim of the Lecture	This lecture is designed to make an overview on the biomaterials used in tissue engineering (both soft and hard tissue engineering).
Content of the lecture	The content will be focussed on: Short introduction in the field of biomaterials; Short introduction related to the healing process An overview about bone and materials used in hard tissue engineering, soft tissue An overview about skin and materials used in skin tissue engineering
Recommended Sources	<ul style="list-style-type: none"> • Krishnan, Uma Maheswari, Sethuraman, Swaminathan, Subramanian, Anuradha; Biomaterials and nanotechnology for tissue engineering; CRC Press - Taylor & Francis Group; 2017; ISBN: 9781498743730; 352pg • Kanika Chawla; Biomaterials for Tissue Engineering; Springer New York; Humana Press, 2018; ISBN: 9781493977413; 220pg
Language of the lecture	English
Learning Outputs	<p>To use the proper terminology in tissue engineering</p> <p>To design proper materials for (bone/skin) tissue engineering</p> <p>To understand the need of grafting materials</p> <p>To identify the proper methods of synthesis/processing of the grafting materials</p>