Tissue Engineering

Courses Offered, Tissue Engineering Major, First Semester, School of Advanced Medical Sciences

Method	Course Name	Theoretical Units	Practical Units	Total Units	Course Type	Description
1	Two-Dimensional and Three-Dimensional Cell Culture	1	2	3	Core	
2	Biomaterials	-	2	2	Compensatory	
3	Scaffolds and Bioreactors	-	2	2	Core	
4	Special Imaging Techniques	0.5	1.5	2	Compensatory	
5	Special Tissues	0.5	1	1.5	Compensatory	
6	Tissue in Different Environments	1	1	2	Core	
7	Tissue Preservation	1	1	2	Compensatory	
8	**Total Units**					

Courses Offered, Second Semester, Tissue Engineering Students

Row	Course Name	Theoretical Units	Practical Units	Total Units	Course Type	Description
1	Principles of Tissue Engineering	2	-	2	Core	
2	Principles of Cellular Systems Acceptance	1.5	0.5	2	Core	
3	Methods for Cellular and Molecular Evaluation	1	1	2	Core	
4	Methods for Fabrication and Characterization of Biomaterials	1	1	2	Core	
5	Principles of Preservation and Cryopreservation	2	-	2	Core	
6	Information Systems	0.5	0.5	1	Compensatory	
7	Cellular and Molecular Diseases	2	-	2	Compensatory	
	Total Units					

Courses Offered, Third Semester, Tissue Engineering Students

Row	Course Name	Theoretical Units	Practical Units	Total Units	Course Type	Description
1	Study of Compensatory Models	1	1	2	Core	
2	Modern Systems	2	-	2	Core	
3	Mechanical Evaluation of Tissues and Biomaterials	1.5	0.5	2	Core	
4	Commercialization and Standardization of Tissue Engineering Products	2	-	2	Core	
5	Engineering of Regenerative Medicine	2	-	2	Core	
6	Clinical Cellular Therapy and Organs	2	-	2	Core	
7	Article Presentation and English Language	2	-	2	Core	