

ISTINYE UNIVERSITY
 INSTITUTE OF HEALTH SCIENCES
 DEPARTMENT OF STEM CELL AND TISSUE ENGINEERING (THESIS)
 COURSE PLAN (CURRICULUM)

1 st SEMESTER						2 nd SEMESTER					
C. Code	Course	T	U	ECTS	Language of Instruction	C. Code	Course	T	U	ECTS	Language of Instruction
KDM5101	Adult Stem Cell Biology	4	0	5	TR	KDM5102	Pluripotent Stem Cells	3	1	5	TR
KDM5103	Basic Cell Culture and Aseptic Techniques	1	3	5	TR	KDM5106	Tissue Engineering and Its Applications	3	1	5	TR
KDM5105	Advanced Cell Biology	4	0	5	TR	KDM5110	Seminar	0	2	2	TR
KDM5107	Scaffold in Tissue Engineering	4	0	5	TR	KDM5142	Scientific Research Techniques and Publication Ethics	3	0	3	TR
KDM5111	Master of Science Thesis Advisory-1	1	0	1	TR	KDM5112	Master of Science Thesis Advisory-2	1	0	1	TR
KDM5113	Master of Science Specialized Field Course-1	4	0	4	TR	KDM5114	Master of Science Specialized Field Course-2	2	2	4	TR
	Electives				TR		Electives				
TOTAL						TOTAL					
18						12					
3						6					
25						20					
ELECTIVE COURSES						ELECTIVE COURSES					
KDM5121	Clinical Stem Cell Applications I	3	0	5	TR	KDM5112	Biomedical Materials	3	1	5	TR
KDM5123	Molecular Biological Techniques I	2	2	5	TR	KDM5114	3D Tissue Engineering II	2	2	5	TR
KDM5125	Biodegradable and Biocompatible Polymers	3	0	5	TR	KDM5116	Clinical Stem Cell Techniques II	3	0	5	TR
KDM5127	Basic Hematology, Immunology and Bone Marrow Transplantation	3	0	5	TR	KDM5118	Molecular Biological Techniques II	2	2	5	TR
KDM5129	3D Tissue Engineering I	2	1	5	TR	KDM5140	Research Planning and Application	3	0	5	TR
KDM5131	Advanced Microscopy Techniques	2	1	5	TR						
KDM5133	Basic Polymer Chemistry	4	0	5	TR						
KDM5135	Biostatistics	1	1	2	TR						
3 rd SEMESTER						4 th SEMESTER					
C. Code	Course	T	U	ECTS	Language of Instruction	C. Code	Course	T	U	ECTS	Language of Instruction
KDM6111	Master of Science Thesis Advisory-3	2	2	4	TR	KDM6112	Master of Science Thesis Advisory-4	2	2	4	TR
KDM6113	Master of Science Specialized Field Course-3	4	2	6	TR	KDM6114	Master of Science Specialized Field Course-4	4	2	6	TR
KDM6101	Thesis Project I	2	18	20	TR	KDM6102	Thesis Project II	2	18	20	TR
TOTAL						TOTAL					
8						8					
22						22					
30						30					