

ISTINYE UNIVERSITY
INSTITUTE OF HEALTH SCIENCES
DEPARTMENT OF NEUROSCIENCE (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		
SIN5101	Neurophysiology-1	3	0	10	TR	SIN5102	Neurophysiology-2	2	2	10	TR		
SIN5103	Human Anatomy	2	2	10	TR	SIN5104	Seminars	1	0	6	TR		
SIN5105	Master of Science Thesis Advisory-1	0	1	1	TR	SIN5106	Scientific research techniques and publication ethics	2	0	7	TR		
SIN5107	Master of Science Specialized Field Course-1	4	0	5	TR	SIN5108	Master of Science Thesis Advisory-2	0	1	1	TR		
	Electives			4	TR	SIN5110	Master of Science Specialized Field Course-2	4	0	5	TR		
							Electives			1	TR		
TOTAL					9	3	30	TOTAL					
9					3	30	9					3	30
3 rd SEMESTER					4 th SEMESTER								
C. Code	Course	T	U	ECTS	Language of Instruction	C. Code	Course	T	U	ECTS	Language of Instruction		
SIN5109	Master of Science Thesis Advisory-3	0	1	1	TR	SIN5112	Master of Science Thesis Advisory-4	0	1	1	TR		
SIN5111	Master of Science Specialized Field Course-3	4	0	5	TR	SIN5114	Master of Science Specialized Field Course-4	4	0	5	TR		
	Thesis Project			24	TR		Thesis Project			24	TR		
TOTAL					4	1	30	TOTAL					
4					1	30	4					1	30

ELECTIVES					
C. Code	Course	T	U	ECTS	Language of Instruction
SIN5113	Neurobiochemistry	2	2	8	TR
SIN5115	Neuroimmunology	2	0	6	TR
SIN5116	Cell culture techniques in neuroscience	2	1	7	TR
SIN5117	Introduction to electrophysiology	2	1	8	TR
SIN5118	Neurogenetic	2	0	6	TR
SIN5119	Basic mathematics for neuroscience	2	0	6	TR
SIN5120	Introduction to behavioural and cognitive neuroscience	2	0	7	TR
SIN5121	Imaging techniques in neuroscience	2	1	8	TR
SIN5122	Neuropsychology	2	1	7	TR
SIN5123	Computational Neuroscience	2	1	8	TR
SIN5124	Pathophysiology of nervous system	2	0	6	TR
SIN5125	Biostatistics	2	0	6	TR
SIN5126	Basic Neuropharmacology	2	0	6	TR
SIN5127	Laboratory Rotation	1	2	6	TR
SIN5128	Sleep and basic features of sleep	2	2	8	TR