

ÜSKÜDAR UNIVERSITY
INSTITUTE OF HEALTH SCIENCES
NEUROSCIENCE MSc PROGRAM

With THESIS

1st SEMESTER						
COURSE CODE	COURSE TITLE	TYPE	T	P	CREDIT	ECTS
NEU501	Molecular and Cellular Neurobiology	Compulsory	3	0	3	8
NEU503	Ethics and Research Methods	Compulsory	3	0	3	6
NEU505	Applied Statistics	Compulsory	3	0	3	8
	Elective Course I	Elective	3	0	3	6
	Elective Course II*	Elective	3	0	3	6
TOTAL					15	34

2nd SEMESTER						
COURSE CODE	COURSE TITLE	TYPE	T	P	CREDIT	ECTS
NEU502	Theoretical and Computational Neuroscience	Compulsory	3	0	3	8
NEU504	Introduction to Neuroimaging	Compulsory	3	0	2	8
NEU510	Neuroanatomy and Neurodevelopment	Compulsory	3	0	3	8
NEU512	Seminar	Elective	1	0	1	2
	Elective Course III	Elective	3	0	3	6
	Elective Course IV*		3	0	3	6
TOTAL					10	38

* Students in MSc with Thesis may complete their curriculum with two electives, however, choosing four electives is recommended.

3rd SEMESTER						
COURSE CODE	COURSE TITLE	TYPE	T	P	CREDIT	ECTS
NEU520.1	Thesis I	Compulsory	0	0	0	30
TOTAL					0	30

4th SEMESTER						
COURSE CODE	COURSE TITLE	TYPE	T	P	CREDIT	ECTS
NEU520.2	Thesis II	Compulsory	0	0	0	30
TOTAL					0	30

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ELECTIVE COURSES					
COURSE CODE	COURSE TITLE	T	P	CREDIT	ECTS
NEU530	Cognitive Neuroscience	3	0	3	6
NEU531	Clinical Neuroscience	3	0	3	6
NEU532	Neuropharmacology	3	0	3	6
NEU533	Behavioral Neuroscience	3	0	3	6
NEU534	Systems Neuroscience	3	0	3	6
NEU535	Learning and Memory	3	0	3	6
NEU536	Neuroimmunology	3	0	3	6
NEU537	Neurobiochemistry	3	0	3	6
NEU538	Neurobiophysics	3	0	3	6
NEU539	Experimental Animal Models in Neuroscience	3	0	3	6
NEU540	Sleep	3	0	3	6
NEU541	Electrophysiology	3	0	3	6
NEU542	Neurophysiology of Addiction	3	0	3	6
NEU543	Creativity and Neuroscience	3	0	3	6