Ph.D. in Neuroscience

- **Course structure and duration is based on PhD program regulations adopted by the supreme council of Medical Sciences.**

Core courses **21 credits**

Elective courses **6 credits**

Thesis **20 credits**

Total **47 credits**

Table A: Compensatory courses

Code	Course	Credit			Hour			Prerequisite code
		Theoretical	Practical	Total	Theoretical	Practical	Total	
01	Medical information systems	0.5	0.5	1	9	17	26	-
02	Advanced statistics and research methods	2.5	0.5	3	43	17	60	-
Total		4						

- **Students who have not taken the aforementioned courses in their previous academical studies are due to pass them.**

Table B: Core courses

Code	Course	Credit			Hour			Prerequisite code
		Theoretical	Practical	Total	Theoretical	Practical	Total	
03	Cellular and molecular neurobiology	2	-	2	34	-	34	-
04	Neurophysiology	2	-	2	34	-	34	-
05	Neuroanatomy	1	1	2	17	34	51	-
06	Neuropharmacology	2	-	2	34	-	34	-
07	Research methods in basic neuroscience	2	2	4	34	68	102	-
08	Pathophysiology of the nervous system	2	-	2	34	-	34	-
09	Regeneration of central nervous system	2	-	2	34	-	34	-
10	Neurohistology and neuroembryology	1	1	2	17	34	51	-
11	Neurohistochemistry	0.5	0.5	1	9	17	26	-
12	Neurogenetics	2	-	2	34	-	34	03
13	Thesis	-	-	20	-	-	-	-
Total		41						

Table C: Elective courses

Code	Course	Credit			Hour			Prerequisite code
		Theoretical	Practical	Total	Theoretical	Practical	Total	
14	Neuroendocrinology	2	-	2	34	-	34	-
15	Paraclinical studies of nervous system	1	1	2	17	34	51	-
16	Mind and consciousness	2	-	2	34	-	34	-
17	Cognitive neuroscience	2	-	2	34	-	34	-
18	Cognitive psychology	2	-	2	34	-	34	-
19	Cognitive neuropsychology	1	1	2	17	34	51	-
Total		12						

- **After supervising professor's consent and approval of post graduate education council, students must take 6 units of the aforementioned courses that are relevant to the theme of their Ph.D. thesis.**