FUNCTIONAL NEUROANATOMY

1	Course Title:	FUNCTIONAL NEUROANATOMY	
2	Course Code:	FTR2017	
3	Type of Course:	Optional	
4	Level of Course:	First Cycle	
5	Year of Study:	2	
6	Semester:	3	
7	ECTS Credits Allocated:	3.00	
8	Theoretical (hour/week):	2.00	
9	Practice (hour/week):	0.00	
10	Laboratory (hour/week):	0	
11	Prerequisites:	Yok	
12	Language:	Turkish	
13	Mode of Delivery:	Face to face	
14	Course Coordinator:	Doç. Dr. Çetin SAYACA	
15	Course Lecturers:	Dr. Öğr. Üyesi Özden ÖZKAL	
16	Contact information of the Course Coordinator:	Doç. Dr. Çetin SAYACA cetinsayaca@uludag.edu.tr	
17	Website:		
18	Objective of the Course:	To ensure for understanding functions and features of the central, peripheal and autonomic nervous systems, and to gain competence for differences in these neuroanatomic structures as a result of dysfunctions.	
19	Contribution of the Course to Professional Development:	Interpret the structures that make up the nervous system, its functions and the symptoms that may occur as a result of damage, according to the physiotherapy and rehabilitation.	
20	Learning Outcomes:		
		1	Understands micro, macro anatomical and features of the central, peripheral and autonomic nervous systems.
		2	Identifies of the neuroanatomical structures and functions.
		3	Determines these structures between the motor sensory and perceptual process.
		4	Identifies signs and symptomps which are developed result of neuroanatomical structures dysfunctions.
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21	Course Content:		

Course Content:

Week	Theoretical	Practice
1	Objective of the course and introduction	
2	Clinical signs and symptoms seen in the functions and pathologies of the peripheral nervous system	

3	Medulla spinalis functions and pathologies	
4	Meninges, cerebrospinal fluid circulation and pathologies, anatomical features of cerebral arteries and veins	
5	Functional areas, functions and pathologies of the cerebrum	
6	Clinical features of the functions and pathologies of the structures that make up the diencephalon	
7	Limbic system and its pathologies	
8	Clinical features of brain stem and cerebellum functions and pathologies	
9	Ascending and descending pathways, their functions and clinical features of their pathology	
10	Clinical features of the functions and pathologies of the autonomic nervous system	
11	Cranial nerves (1-6.ks) and their pathologies	
12	Cranial nerves (7-12.ks) and their pathologies	
13	Engine Control	
14	An overview	

22	Textbooks, References and/or Other Materials:	1. Snell Richard S. Clinical Neuroanatomy. Lippincott Williams & Wilkins, 2009

Activites	Number	Duration (hour)	Total Work Load (hour)
Theoretical	14	2.00	28.00
Practicals/Labs	0	0.00	0.00
Self study and preperation	14	4.00	56.00
Homeworks	0	0.00	0.00
Projects	0	0.00	0.00
Field Studies	0	0.00	0.00
Midterm exams	1	2.00	2.00
Others	0	0.00	0.00
Final Exams	1	2.00	2.00
Total Work Load			88.00
Total work load/ 30 hr			2.93
ECTS Credit of the Course			3.00

TERM LEARNING ACTIVITIES	NUMBER	WEIGHT
Quiz	0	0.00
Final Exam	1	60.00
Midterm exams	1	40.00
Contribution of Term (Year) Learning Activities to		
Contribution of Final Exam to Success Grade		60.00
Measurement and Evaluation Techniques Used in the	written exam	

24	**ECTS / WORK LOAD TABLE**

25	**CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS**															
	PQ1	**PQ2**	**PQ3**	**PQ4**	**PQ5**	**PQ6**	**PQ7**	**PQ8**	**PQ9**	**PQ10**	**PQ11**	**PQ12**	**PQ13**	**PQ14**	**PQ15**	**PQ16**
ÖK1	2	4	3	1	2	0	0	0	0	0	0	0	0	0	0	0
ÖK2	3	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0
ÖK3	1	4	3	1	1	0	0	0	0	0	0	0	0	0	0	0
ÖK4	1	4	5	1	2	0	0	0	0	0	0	0	0	0	0	0

LO: Learning Objectives PQ: Program Qualifications					
Contribution Level:	**1 very low**	**2 low**	**3 Medium**	**4 High**	**5 Very High**