

**Vocational School / Electroneurophysiology**

**2023 - 2024 Academic Year**

**NEUROANATOMY**

**Syllabus**

<b>Course Description</b>					
<b>Name</b>	<b>Code</b>	<b>Semester</b>	<b>T+A Hour</b>	<b>Credit</b>	<b>ECTS</b>
NEUROANATOMY	EFZ1210901	Spring Semester	2+0	2	6
<b>Prerequisites Courses</b>					
<b>Recommended Elective Courses</b>					
<b>Language of Instruction</b>	Turkish				
<b>Course Level</b>	Short Cycle (Associate's Degree)				
<b>Course Type</b>	Required				
<b>Course Coordinator</b>	Prof.Dr. Neslihan YÜZBAŞIOĞLU				
<b>Name of Lecturer(s)</b>	Res.Assist. Nureda NALÇACI BOZKURT				
<b>Assistant(s)</b>					
<b>Aim</b>	To inform, to make practice about central and peripheral nervous systems.				
<b>Course Content</b>	This course contains; Nervous tissue; neuron and neuroglia, Inner formation of Medulla oblongata and Pons, Inner formation of Medulla spinalis, substantia alba, grisia and general information of their pathways, Afferent and efferent pathways of Medulla oblongata and Pons, Inner formation of Mesencephalon and its pathways, Inner formation of Cerebellum and its pathways, fourth ventricle, Autonomic nervous system, Telencephalon and the Broadman areas, Cortex cerebrealis, Diencephalon and its pathways, The smelling brain, pathway of smell and Lymbic system, Lateral ventricles and circulation of cerebrospinal fluid, Nuclei basales, extra pyramidal system.				
<b>Course Learning Outcomes</b>				<b>Teaching Methods</b>	<b>Assessment Methods</b>
1. The student will be able to explain central and peripheral nervous system.					
1.1. Defines nervous tissue and neuroglia cell.					
1.2. Tells the inner formation of Medulla oblongata and Pons.					
1.3. Gives general information about pathways of medulla spinalis.					
1.4. Defines afferent and efferent pathways of medulla spinalis.					
2. The student will be able to define the formation of Medulla oblongata, Pons and Mesencephalon					
2.1. Distinguishes the afferent and efferent pathways of Medulla oblongata.					
2.2. Tells the afferent and efferent pathways of Pons.					
3. The student will be able to tell pathways and formation of Cerebellum and fourth ventricle.					
3.1. Distinguishes the features of autonomic nervous system.					
3.2. Defines telencephalon and the Broadman areas.					
4. The student will be able to define Cortex cerebrealis.					
4.1. Distinguishes the substantia alba of Telencephalon.					
4.2. Distinguishes the lateral ventricles and circulation of cerebrospinal fluid.					
5. The student will be able to define the Diencephalon.					
5.1. Tells pathways of Diencephalon.					
5.2. Summarize the smelling brain, pathways of smell, Lymbic system.					
5.3. Tells nuclei basales, extra-pyramidal system.					
<b>Teaching Methods</b>					
<b>Assessment Methods</b>					
<b>Lecture Schedule</b>					
<b>Sequenc e</b>	<b>Topics</b>	<b>Preliminary Preparation</b>			
1	Nervous tissue; neuron and neuroglia				
2	Inner formation of Medulla oblongata and Pons				
3	Inner formation of Medulla spinalis, substantia alba, grisia and general information of their pathways				
4	Afferent and efferent pathways of Medulla oblongata and Pons				
5	Inner formation of Mesencephalon and its pathways				
6	Inner formation of Cerebellum and its pathways, fourth ventricle				
7	Autonomic nervous system				
8	Telencephalon and the Broadman areas				
9	Cortex cerebrealis				
10	Diencephalon and its pathways				
11	The smelling brain, pathway of smell and Lymbic system				
12	Lateral ventricles and circulation of cerebrospinal fluid				
13	Nuclei basales, extra pyramidal system				
<b>Evaluation Methods</b>		<b>Weight(%)</b>			
Midterm Exam		40			
General Exam		60			

<b>Resources</b>
Textbook is given to student. Functional neuroanatomy Doğan Taner ODTÜ Geliştirme Vakfı Baskı 1998 Clinical neuroanatomy Richard S Snell Neuroanatomy and functional neuroanatomy Prof Dr Fahri Dere Nobel Kitabevi Adana 2000