

**FACULTY OF MEDICINE, UNIVERSITY OF NIS**

**Study program:** Medicine

**Subject:** Neuroscience

**Semester:** 6

**Study year:** 3

**CURRICULUM - THEORETICAL LECTURES – SIXTH SEMESTER - 2020/21.**

Week	Lecture topic	Lecturer	No of theoretical classes.
1.	Introduction to neuroscience Central nervous system organization	Nenad Stojiljković, associate prof.	1 1
2.	Development of the central nervous system Morphology and structure of the spinal cord and cerebellum	Vladimir Petrović, assist. prof. Braca Kundalić, assist. prof.	1 1
3.	Morphology and structure midbrain and cerebrum Bioelectric characterizes of neurons	Stojanka Arsić, associate prof. Milan Ćirić, assist. prof.	1 1
4.	Neuromuscular disorders Energy metabolism in the CNS	Lukić Stevo, assist. prof. Ivana Stojanović, full prof.	1 1
5.	Vascularization of the CNS Physiology of the cerebral circulation	Stojanka Arsić, associate prof. Branković Suzana, full prof.	1 1
6.	Cerebral circulation disorders Variations in cerebral the brain basis	Lukić Stevo, assist. prof. Braca Kundalić, assist. prof.	1 1
7.	Brain steam anatomy Anatomy of sensitive projections	Stojanka Arsić, associate prof. Braca Kundalić, assist. prof.	1 1
8.	Physiology and perception of pain Sensitive syndromes	Branković Suzana, full prof. Lukić Stevo, assist. prof.	1 1
9.	Visual perception Most common visual perception disorders	Milan Ćirić, assist. prof. Lukić Stevo, assist. prof.	1 1
10.	Motor system Movement disorders	Pavle Randjelović, assist. prof. Lukić Stevo, assist. prof.	1 1
11.	Functional organization of the brain cortex Speech disorders, and cortical syndromes	Branković Suzana, full prof. Lukić Stevo, assist. prof.	1 1
12.	Physiology of learning and memory Clinical and neurophysiological aspects of addiction	Sonja Ilić, assist. prof. Gordana Nikolić, assist. prof.	1 1
13.	EEG, sleep Mechanisms involved in circadian rhythm regulation	Lukić Stevo, assist. prof. Pavle Randjelović, assist. prof.	1 1
14.	Interaction between neurophysiological, neurochemical and behavioral mechanisms in anxiety, affective disorders and schizophrenia Neuroimmunomodulation and stress	Olivera Žikić, asociate prof. Pavle Randjelović, assist. prof.	1 1
15.	Psychopharmacological therapy	Milan Stoiljković, assit. prof.	2

**CURRICULUM – PRACTICAL/SEMINAR CLASSES – SIXTH SEMESTER - 2021/22.**

Week	Lecture topic	Lecturer	No of classes.
1.	Methods of nervous system investigation	Nikola Stojanović, teach. assist.	1
2.	Methods of nervous system investigation	Nikola Stojanović, teach. assist.	1
3.	Membrane action potential, events at synapse	Milan Petković, teach. assist.	1
4.	Membrane action potential, events at synapse	Milan Petković, teach. assist.	1
5.	Neuroanatomy – new findings	Stojanka Arsić, asociate prof.	1
6.	Neuroanatomy – new findings	Lukić Stevo, assit. prof.	1

7.	Somatosensory system investigation	Milica Veljković, teach. assist.	1
8.	Somatosensory system investigation	Milica Veljković, teach. assist.	1
9.	Clinical presentation of the central and peripheral motoneuron lesions	Lukić Stevo, assit. prof.	1
10.	Clinical presentation of the central and peripheral motoneuron lesions	Lukić Stevo, assit. prof.	1
11.	Clinical presentation of addiction	Gordana Nikolić, assit. prof.	1
12.	Experimental animal models in psychiatry	Nikola Stojanović, teach. assist.	1
13.	Experimental animal models in psychiatry	Nikola Stojanović, teach. assist.	1
14.	Psychopharmacological therapy	Nikola Stojanović, teach. assist.	1
15.	Extra classes for students that missed regular classes	Milica Veljković, teach. assist. Milan Petković, teach. assist. Nikola Stojanović, teach. assist.	1