

OBJECTIVE OF THE COURSES:

MNB622 Cognitive Neuroscience

The aim of this course is to provide students with knowledge about Cognitive Neuroscience within the field of neuroscience, which is a multidisciplinary field. In this context, neural networks, electroencephalography, "what" and "where" networks, memory, executive functions, social cognition and decision making will be discussed.

MNB602 Neuroanatomy

The aim of this course is to provide students with knowledge about Neuroanatomy in the field of neuroscience, which is a multidisciplinary field. In this context, central and peripheral nervous system anatomy, neuro anatomy and developmental anatomy will be explained.

MNB625 Theoretical and Computational Neuroscience

The aim of this course is to provide students with knowledge about Theoretical and Computational Neuroscience in the field of neuroscience, which is a multidisciplinary field. In this context, artificial intelligence, brain-computer interfaces, neuroimaging and molecular modeling will be discussed.

MNB610 Research Methods in Neuroscience

The aim of this course is to provide students with knowledge about Research Methods in Neuroscience within the field of neuroscience, which is a multidisciplinary field. In this context, it is aimed that students learn basic information about research methods, statistical analyzes and study designs used in neuroscience research.

MNB623 Systems Neuroscience

The aim of this course is to provide students with knowledge about Systems Neuroscience within the field of neuroscience, which is a multidisciplinary field. Neurotransmitter structures among nerve cells and neurochemistry issues will be explained.

MNB607 Developmental Neuroscience

The aim of this course is to provide students with knowledge about Developmental Neuroscience in the field of neuroscience, which is a multidisciplinary field. In this context, central and peripheral nervous system anatomy, neuro anatomy and developmental anatomy will be explained.

MNB638 Clinical Neurogenetics

The aim of this course is to provide students with knowledge about Clinical Neuroscience within the field of neuroscience, which is a multidisciplinary field. In this course, the pathophysiology of

psychiatric and neurological diseases, pharmacotherapeutic approaches and brain modulation treatments will be explained.

NEU503 Neuroethics and Research Methods

The aim of this course is to provide students with knowledge about Neuroethics in the field of neuroscience, which is a multidisciplinary field. Within the scope of this course, ethical approaches related to applications in psychiatric and neurological patients and experimental animals will be explained.

NEU501 Molecular Neuroscience

The aim of this course is to provide students with knowledge about Molecular Neuroscience in the field of neuroscience, which is a multidisciplinary field. Within the scope of this course, physiology, genetics, chemistry, genetic imaging and pharmacology subjects related to basic neuroscience will be explained.

NEU533 Behavioral Neuroscience

The aim of this course is to provide students with knowledge about Behavioral Neuroscience in the field of neuroscience, which is a multidisciplinary field. In this course, animal models of psychiatric and neurological diseases, experimental psychology and analysis methods will be explained.