

## **Neuroscience PhD Program Course Contents**

### **NRB603 Functional 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, neuroanatomy and developmental anatomy will be explained.

### **NRB622 Cellular Neuroscience and Experimental Methods**

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.

### **NRB601 Data Analysis and Modeling**

The aim of this course is to enable students to have knowledge about the Applications of statistics in the field of neuroscience, which is a multidisciplinary field. Within the scope of this course, statistical analysis methods will be explained by using SPSS data analysis program.

### **NRB620 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

### **NRB607 Cognitive Systems**

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.

### **NRB606 Sensory and Motor Systems**

The aim of this course is to provide students with knowledge about Sensory and Motor Systems 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.