AIM

To provide the students with advanced theoretical knowledge regarding the mechanisms of functioning of nervous system from molecular level to behavior and its pathological processes and with scientific research abilities thus to make them attain the capacity to design, conduct and conclude novel and independent research in the field.

KNOWLEDGE
Theoretical/Factual

Has the advanced knowledge about the structure, functioning and pathological processes of the nervous system. Knows the essential scientific questions and current research topics in neuroscience and produces hypotheses about them. Covers the whole literature on own research area and follows up new developments.

SKILLS
Cognitive/Practical

Defines the methods used in neuroscience researches. In own research area uses the required techniques without assistance, develops new methods and techniques. Designs research projects and submits them as proposals. Presents the research findings in oral or written forms and in scientific articles.

COMPETENCY
Ability to work independently and take responsibility

Designs and conducts scientific research, independently and within a team. Manages a research lab and establishes new ones.

Learning Competence

Evaluates all new information regarding the field and associate them based on available knowledge.

Communication and Social Competence

Uses the communication and computer technology effectively in theoretical and practical studies. Able to present theoretical or research data orally or written in Turkish as well in English languages. Adheres to ethical values and behaves according to dynamics of social responsibility.

Field-based Competence

While focusing on the basic research behaves in accordance with the principle that neuroscience research should eventually aim clinical implications and benefit.