Course Name: Foundations of Behavioral Neuroscience	**Course Level:** Undergraduate	**Language:** English

Course Code	**Prerequisites**	**Corequisites**	**(T + P hours)**	**ECTS Credit**	**Type**
PSYC2501	-	-	3+0	6	Compulsory

Course objectives: To examine human and animal behavior from the perspective of biology, physiological, genetic and developmental mechanisms.

Course description: Introduction to neuroscience. Review of latest studies in the rapidly changing fields of neuroscience and physiological psychology. Examination of the structure and functions of the central nervous system, the brain and their roles in emotional, cognitive and social-behavioral processes. Examination of the neural and anatomic features of the central nervous system. Discussion of the role of technological development in the exploration of recent issues and theory construction. Brief description of neurological screening methods.

Evaluation system (in percentages):

Midterm	**Final**	**Total**
%40	%60	100

Reference

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Weekly Course Topics

Week	**Topic**
1.	Course Introduction
2.	Fundamentals of Neuroscience
3.	The Relationship Between Neuroscience and Behavior
4.	The Relationship Between Neuroscience and Behavior
5.	Feeling and Perception
6.	Motivated Behaviors
7.	Control of Movement
8.	Midterm
9.	Learning and Memory

10.	Sleep and Biological Rhythms
11.	Neuronal Bases of Psychological Disorders
12.	Neuronal Bases of Psychological Disorders
13.	Reasoning and Decision Making
14.	An Overview

Contribution of the Course to the Program Outcomes

Course Outcomes

Students will gain the following knowledge and skills at the end of the course:

1.Learn the neural and anatomic features of the central nervous system and main areas of the brain.

2.Discuss the role of technological development in the exploration of recent issues and theory construction.

3.Learn the current study results about neuroscience.

4.Know the neural basis of the basic functions.

	Program Outcomes	**CO1**	**CO2**	**CO3**	**CO4**
1.	To examine and compare different concepts in subfields of psychology and to have basic	X	X	X	X

	application skills.				
2.	To apply analytical and critical thinking skills in various fields of psychology, to be able to solve the problems related to the field with contemporary methods.				
3.	The student has the skills to interpret facts, events and data, to define and analyze problems, to develop solutions based on research and evidence by using the knowledge and skills they have acquired in the field.		X		X
4.	Discussing and criticizing professional and ethical issues in program design and professional practice.				
5.	To explain the procedures and rules in psychological measurement and interview techniques, and to develop the ability to apply them at a basic level.				
6.	Adopting the rules of the positivist method and designing scientific research, collecting data, analyzing data and scientifically reporting the results.				
7.	To gain the basic principles of scientific thinking, to be able to separate and / or integrate the knowledge gained by other disciplines with a critical point of view.		X		

8.	To develop the competence for using the necessary information and communication technologies used to reach and spread information.				
9.	To use oral and written communication skills effectively both in Turkish and at least one foreign language.				
10.	Working effectively in individual and multidisciplinary research teams.				
11.	To develop respect for interpersonal and cultural diversity and to have social responsibility.				
12.	To be aware of psychological resilience, personal and professional development.				

Course Evaluation and ECTS Workload			
Types of Work	Number		
	ECTS Workload		
		Time	
Attendance	14	3	42
Final exam	1	20	20
Quizzes	5	1	5
Semester project	0	0	0
Assignments	0	0	0
Final project	0	0	0
Seminar	0	0	0
Duties	3	3	9
Presentation	0	0	0
Midterm	1	20	20

Project	0	0	0
Lab	0	0	0
Private lesson time	0	0	0
Other (Personal study)	14	4	56
		Total workload	152
		Total workload/25	6.08
		ECTS Credit	6

Teaching Methods and Techniques: Lecture, Discussion

Prepared By: **Date:**