

TOROS ÜNİVERSİTESİ

Faculty Of Economic, Administrative And Social Sciences
Psychology (English)

Course Information

PHYSIOLOGICAL PSYCHOLOGY					
Code	Semester	Theoretical	Practice	National Credit	ECTS Credit
		Hour / Week			
PSY222	Spring	3	0	3	5

Prerequisites and co-requisites	
Language of instruction	Turkish
Type	Elective
Level of Course	Bachelor's
Lecturer	Öğr. Gör. Emre KUNDAKÇI
Mode of Delivery	Face to Face
Suggested Subject	
Professional practise (internship)	None
Objectives of the Course	The aim of this course is to recognize the cerebral and physiological bases of psychology and cognitive functions, and to learn the relationships between our behavior and the brain.
Contents of the Course	This course focuses on students' understanding of the physiological basis of behavior. The topics of discussion to be covered in the course are the function and structure of the nervous system at the molecular, cellular and system level. Our executive functions: control of thoughts and memory, foresight, insight, judgment, thinking in the abstract, attention, initiative, motivation, resistance to distractors. Dominant hemisphere syndromes, apraxies, distribution of attention to place, hand preference, agnosia will be discussed.

Learning Outcomes of Course

#	Learning Outcomes
1	
2	
3	
4	
5	

Course Syllabus

#	Subjects	Teaching Methods and Technics
1	The relationship between psychology and physiology. Live and Its Surroundings. Recipient body / Decision body / Reaction body. The development and evolution of the nervous system in interaction with the environment	Asynchronous
2	Organization of the human nervous system. Protective structures of the central nervous system	Asynchronous
3	Environmental nervous system. Spinal cord and head pairs.	Asynchronous
4	BRAIN: lower brain - midbrain - forebrain structures and functions	Asynchronous
5	Structural features of the brain, nerve cells, extensions. Introduction to Neural Communication	Asynchronous
6	Neuronal Stimulation and Conduction	Asynchronous
7	Midterm	Online

8	Synaptic Transmission	Synchronous and Asynchronous
9	Development of the brain during life-prenatal brain development	Synchronous and Asynchronous
10	Brain development-aging brain in the postnatal period	Synchronous and Asynchronous
11	Sensory System-Movement System	Synchronous and Asynchronous
12	4 Brain lobes and Their Functions - Executive Functions and their impairment	Synchronous and Asynchronous
13	Hypothalamic pituitary control of hormone secretion	Synchronous and Asynchronous
14	Hypothalamic pituitary control of hormone secretion	Synchronous and Asynchronous
15	Final Exam	Online
16		

Course Syllabus

#	Material / Resources	Information About Resources	Reference / Recommended Resources
1	Carlson, N. (2005). Foundations of physiological psychology, International Edition. New York: Pearson.		

Method of Assessment

#	Weight	Work Type	Work Title
1	40%	Mid-Term Exam	Mid-Term Exam
2	60%	Final Exam	Final Exam

Relationship between Learning Outcomes of Course and Program Outcomes

#	Learning Outcomes	Program Outcomes	Method of Assessment
1			1,2
2			1,2
3			1,2
4			1,2
5			1,2

PS. The numbers, which are shown in the column Method of Assessment, presents the methods shown in the previous table, titled as Method of Assessment.

Work Load Details

#	Type of Work	Quantity	Time (Hour)	Work Load
1	Course Duration	14	3	42
2	Course Duration Except Class (Preliminary Study, Enhancement)	14	3	42
3	Presentation and Seminar Preparation	0	0	0
4	Web Research, Library and Archival Work	0	0	0
5	Document/Information Listing	0	0	0
6	Workshop	0	0	0
7	Preparation for Midterm Exam	1	15	15

8	Midterm Exam	1	3	3
9	Quiz	0	0	0
10	Homework	2	15	30
11	Midterm Project	0	0	0
12	Midterm Exercise	0	0	0
13	Final Project	0	0	0
14	Final Exercise	0	0	0
15	Preparation for Final Exam	1	15	15
16	Final Exam	1	3	3
				150