UNIVERSITY OF ECONOMICS AND HUMAN SCIENCES IN WARSAW

Field of study:

Psychology

Subject: Biological Psychology

Level of study: undergraduate studies
System of study: Full-time
Profile of studies: general academic
Subject: Biological Psychology

Form of classes and the ECTS points

	Number of hours	ECTS points	Credit
lectures	30		exam
Total	30	5	

Aims of teaching

The aim of the lectures is to present selected issues in the field of neuroanatomy and neurophysiology of the central nervous system and the necessary information in the field of neurobiology and neuropsychology. In addition, the aim of the course is to familiarize students with biological traits determining human behavior.

Intended learning outcomes

KNOWLEDGE		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_W1	• the student knows what issues make up the discipline of the biological basis of behavior and how it developed; • identifies biological causes of mental processes • analyzes scientific texts • presents and explains selected issues	Ps_WG12_Lic

SKILLS		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_U1	• the student understands and interprets biological processes occurring in the human body, can connect them with mental processes and use their knowledge for other people • verifies the value of diagnostic tests • critically refers to scientific papers in neurobiology and related fields • recognizes the biological causes of psychological pathologies • assesses the cognitive and practical value of the biological basis of mental life competence • the student accepts the multi-factorial background of a mental life and is aware of its importance • recognizes the need to supplement knowledge in biological sciences • is open to cooperation with specialists from other disciplines • strives for a holistic understanding of mental life	Ps_UW04_Lic

SOCIAL COMPETENCES		
SYMBOL	**DESCRIPTION**	**REFERENCE TO THE PROFILE OUTCOME**
P_K1	1. Introduction - general issues. Base of the central nervous system against the background of intrauterine development. 2. Microscopic structure of nervous and glial tissues and the basis of neuroanatomy. 3. Nervous system - its structure and principle of operation. 4. Outline of anatomy and vascularization of the brain and spinal cord. 5. The structure of the brain and the issue of the mind. Chemical senses and mechanisms of physical control. 6. Anatomy of the visual system with multimedia examples. 7. Anatomy of the auditory system. 8. Homeostasis. The influence of hormones on changes in the functioning of the body. 9. The neuroplasticity of an adult brain. Healthy and pathological aging of the brain. Methods of visualization of brain structures: CT, MRI and others. 10. Genetics and behavior: research methods of behavioral genetics, determinants of individual differences - genes and environment, temperament as the biological dimension of personality, biological and evolutionary basis of intelligence, intelligence and genes.	Ps_KK02_Lic

Course content

NUMBER	DESCRIPTION	FORM OF CLASSES	NUMBER OF HOURS
1	10x 3h online class	lectures	30 / 30

Conditions of completion

LECTURES

TYPE OF CREDIT	CREDIT INFLUENCE (IN %)
Exam (for the lecturers only)	100

Teaching methods

- Lecture + multimedia presentation

Reading (compulsory)

- - Michael Gazzaniga, Richard Ivry, George Mangun. Cognitive Neuroscience. The Biology of the Mind 2014

Reading (additional)

- Lack of literature

Odniesienie efektów przedmiotowych do efektów kierunkowych, treści kształcenia, metod weryfikacji

SYMBOL	REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME	REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT	REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS
KNOWLEDGE			
P_W1	Ps_WG12_Lic	1	
SYMBOL	**REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME**	**REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT**	**REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS**
SKILLS			
P_U1	Ps_UW04_Lic	1	
SYMBOL	**REFERENCE OF A GIVEN OUTCOME TO THE PROFILE OUTCOME**	**REFERENCE OF A GIVEN OUTCOME TO THE COURSE CONTENT**	**REFERENCE OF A GIVEN OUTCOME TO THE VERIFICATION METHODS**
SOCIAL COMPETENCES			
P_K1	Ps_KK02_Lic	1	