

**Subject card**

<b>Subject name and code</b>	Neuroaesthetics and Understanding the Arts, PG_00137618						
<b>Field of study</b>	Archaeology						
<b>Date of commencement of studies</b>	October 2024	<b>Academic year of realisation of subject</b>			2024/2025		
<b>Education level</b>	undergraduate studies	<b>Subject group</b>					
<b>Mode of study</b>	full-time studies	<b>Mode of delivery</b>			at the university		
<b>Year of study</b>	1	<b>Language of instruction</b>			English 90% English sometimes comments in Polish - for original publications - up to 10%		
<b>Semester of study</b>	2	<b>ECTS credits</b>			2.0		
<b>Learning profile</b>	academic	<b>Assessment form</b>					
<b>Conducting unit</b>	Zakład Estetyki i Filozofii Kultury -> Instytut Filozofii -> Faculty of Social Sciences -> Rektor						
<b>Name and surname of lecturer (lecturers)</b>	<b>Subject supervisor</b>		dr hab. Anna Chęćka				
	<b>Teachers</b>						
<b>Lesson types</b>	<b>Lesson type</b>	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	<b>Number of study hours</b>	30.0	0.0	0.0	0.0	0.0	30
	E-learning hours included: 0.0						
<b>Learning activity and number of study hours</b>	<b>Learning activity</b>	Participation in didactic classes included in study plan		Participation in consultation hours		Self-study	SUM
	<b>Number of study hours</b>	30		2.0		18.0	50
<b>Subject objectives</b>	Neuroaesthetics - a young , interdisciplinary research path - introduces students to the concepts of modern evolutionary neuroscience in the field of sensory perception of the reality around us and, in particular, works of art. It bridges the gap between the natural sciences that explain the workings of our perceptual apparatus and the understanding that is the domain of philosophy. At the same time, it is an encouragement to interdisciplinary exploration in the spirit of seeking the unity of knowledge while being aware of the distinctiveness of the sciences.						
<b>Learning outcomes</b>	<b>Course outcome</b>		<b>Subject outcome</b>		<b>Method of verification</b>		
			The student has a structured knowledge and understanding of the widespread neurobiological theories of art perception, Knows and understands at a basic level the role of neuroscience in human functioning as an art-sensitive being, knows the basic argumentative strategies inherent in modern neuroscience, is able to discuss art using the conceptual apparatus of neuroaesthetics and evolutionary neuroscience, knows the extent of his knowledge and skills, understands the need for continuous training and development in this field.		[SK1] oral statement/conversation/discussion [SK4] test/exam - oral or written		

Subject contents	<p>1 Consilience of knowledge: the meeting of the natural science path with the humanities. Possibilities of interdisciplinary dialogue and possible aporias. . Neuroaesthetics as a bridge between the natural sciences and the humanities.2 The modular model of the brain versus the concept of neuronal networks. Comparison of perspectives and implications of the paradigm shift. Neuroaesthetics and the theory of evolution.3. The work of art as an illusory and ambiguous stimulus for the nervous system. Semir Zekeki's theory.4. Optical illusions and the problem of visual artwork. Margaret Livingstone's research.5. Relationship between music and speech. Concepts of muse-language.6. Music as communication and music as art. Sound stimulus and its meaning in evolutionist terms. Artistic competence and critical developmental periods: the problem of learning natural language, absolute hearing, musical memory, musical hearing.7. Synesthesia as a capacity for multimodal experience of the world. Synesthesia and its relationship to creativity.8. What does the brain of genius look like and how does it function? The brain of the creator and the viewer. Neuroimaging as evidence. 9. Selected issues of neurophysiology. Touch, smell - depreciated senses and perception of the world.10. Neurodegradative diseases and injuries of the central nervous system and their impact on cognition, experience and art making.</p>		
Prerequisites and co-requisites			
Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	choice test - 3 questions and two open questions, relate to neuroaesthetic concepts and neurobiological facts presented during lectures	55.0%	100.0%
Recommended reading	Basic literature	<p>Semir Zeki, Splendors and Miseries of the Brain. Love, Creativity, and the Quest for Human Happiness, Wiley-Blackwell, MA-Oxford 2009).</p> <p>V. Ramachandran, W. Hirstein The Science of Art: A Neurological Theory of Aesthetic Experience, Journal of Consciousness Studies. 6. 15-51.</p>	
	Supplementary literature		
	eResources addresses	Adresy na platformie eNauczanie:	
Example issues/ example questions/ tasks being completed	<p>What is the aesthetic brain?</p> <p>What is neuroaesthetic reductionism?</p> <p>Evolution and neuroscience versus the definition of art.What is the consilience of knowledge?</p>		
Work placement	Not applicable		

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