

Department of Art

Faculty:	Education of Art / Fine Art
Level:	Second Degree Course (Master of Art degree)
Module:	Psychophysiological basis of art
Module Code:	03.9-WA-EASP-PPSZ
Module Type:	Core module
Introductory requirements:	
Language of Delivery/Instruction:	Polish
Module supervisor:	Janina Fyk, Prof.
Principal lecturer:	Janina Fyk, Prof.
Mode of Delivery:	Classes
Number of Hours:	30
Number of Hours per week:	1
Term:	1-2
Assessment requirements:	Pass/Exam
Points ECTS:	6

Module Aims:

Biofunctional basis of the perception of art-“artistic genes”.

Selected issues on the development of the brain in the pre-natal and early post-natal stages.

A map of the brain and the functions of brain hemispheres.

Different kinds of intelligence-kinds of activities and the methods of learning.

Canons of music and fine art. Number, harmony and proportion-the basis of Pythagorean philosophy and the theorem of the spheres. Pythagoras and the Pythagoreans and their contribution to art and science. A Great Theory of Beauty and its reflection in art and science. The basis of audiometry. The threshold of pain and the limits of hearing.

Psychophysical and psychological basis of the perception of visual colour.

Sensual dimensions in music and fine art-sensitivity and differential thresholds.

Holistic and analytical perception. The psychology of the figure in art-the basic theories of the psychology of the figure. Synesthesia and chromesthesia-extraordinary abilities”savant”-their functions in music, fine art and art therapy.

States of consciousness-the frequency and characteristics of brain waves.

Creation and the” Creative Moment”by Tadeusz Wroński.

The basic principles of the Methods by Alfred Tomatis.

Suggestion-suggestopedia-superlearning-the role of music and art.

Basic rules of suggestopedic teaching. The activation of brain hemispheres-breathing and music.

.The Effect of Mozart in Music and Fine Art.The use of “Mozart Effect” in science, medicine and for individual needs.

“Musical” and “Artsitic” brain in light of scientific research.

A therapeutic effect of art as shown in music and fine art-therapeutic effect of sound and colour.

Neurophysiology,biomusicology,and psychology in music, art and education.

Module outcomes:

The students will broaden their knowledge on psychophysiological and neurobiological conditions of the development of the artistic and musical talents in human beings. They will also acquire the ability to use the knowledge on physiological and neurobiological conditions of art teaching and enriching aesthetic experience.

Assessment requirements:

Attendance. Exam.

Basic Literature:

Konieczna, E. Arteterapia w teorii i praktyce, Oficyna Wydawnicza „Impuls”, Kraków, 2003.

Kataryńczuk-Mania, L., Karcz, J. (red.) Sztuka w kontekście oddziaływań na człowieka, Uniwersytet Zielonogórski, 2006.

Szulc, W. Sztuka w służbie medycyny, Akademia Medyczna im. Karola Marcinkowskiego w Poznaniu, Poznań, 2001. Tomaszewski, T., Główne idee współczesnej psychologii, Wiedza Powszechna, Warszawa, 1984, wyd. I.

Tatarkiewicz

Campbell, D. The Mozart Effect, Quill, 2001.

Lewandowska, K. Muzykoterapia dziecięca, Studio NORMA, Gdańsk, 1996.

Tomatis, A.A. Ucho i śpiew, Wydawnictwo UMCS, Lublin 1995.

Zeugner, G. Barwa i człowiek, Wydawnictwo „Arkady”, Warszawa 1965, Wyd. I.

Supplementary Literature:

Metera, A. Muzykoterapia. Muzyka w medycynie i edukacji. Wydawnictwo Centrum Techniki Nauki Metronom, Leszno, 2002.

Oster, G., Gould, P. Rysunek w psychoterapii, Gdańskie Wydawnictwo Psychologiczne, Gdańsk, 2001.

Anisimowicz, B. Alternatywne nauczanie języków obcych w XX wieku.

Lecourt, E. Muzykoterapia czyli jak wykorzystać siłę dźwięków, Videograf II, Katowice, 2008.

Utwory muzyczne okresu baroku - wybór.

Wierszyłowski, J. Psychologia muzyki, PWN, Warszawa, 1970.; Czasopisma: Arteterapia, Exit.