

1.	Field of study	Pedagogy: Pre-School Education and Early School Education		
2.	Faculty	Faculty of Fine Arts and Educational Science		
3.	Academic year of entry	2025/2026 (winter term)		
4.	Level of qualifications/degree	long-cycle studies		
5.	Degree profile	general academic		
6.	Mode of study	part-time		
7.	General information about the module			
Module name		Neurodidactic Foundations of Education		
Module code		PP-A3-NPE		
Number of the ECTS credits		1		
Language of instruction		Polish		
Purpose and description of the content of education		Moduł ułatwia osobom studiującym odnalezienie się w obszarze neurodydaktyki oraz planowanie działań pedagogicznych z uwzględnieniem naturalnych mechanizmów neurorozwojowych. Koncentruje się na użytecznych w dydaktyce odkryciach neurobiologii, sprawdzających się w praktyce edukacyjnej oraz na sposobach stosowania narzędzi neurodydaktycznych w planowaniu i prowadzeniu procesu dydaktycznego. Podstawowe informacje z zakresu fizjologii ośrodkowego układu nerwowego dadzą uczestnikom szansę na zrozumienie reakcji ludzi, zwłaszcza w kontekście relacji niezbędnych do prawidłowego przebiegu procesu edukacji.		
List of modules that must be completed before starting this module (if necessary)		not applicable		
8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)	
PP-A3-NPE_1	studentka/student zna i rozumie rozwój człowieka w cyklu życia zarówno w aspekcie biologicznym, jak i psychologicznym oraz społecznym, w tym w zakresie prawideł rozwoju ośrodkowego układu nerwowego, zmian rozwojowych zachodzących w korze mózgu, różnic w zakresie stylu poznawczego (A3.W1; A3.W2), a także teorie dotyczące nauczania-uczenia się i modele uczenia się - współczesne ujęcia w oparciu o wyniki badań neuropsychologicznych (A3.W3) oraz procesy komunikowania interpersonalnego, jego prawidłowości i zakłócenia w szczególności wynikające ze zmian neurorozwojowych (A3.W4)	PP_W_02 PP_W_09 PP_W_13 PP_W_17	3 3 3 3	
PP-A3-NPE_2	studentka/student potrafi wykorzystywać wiedzę z zakresu neurobiologii celu analizowania i interpretowania problemów edukacyjnych, procesu uczenia się dzieci/uczniów, jego kontekstu, zachowań społecznych i ich uwarunkowań (A3.U1; A3.U2) oraz ocenić przydatność typowych metod, procedur i dobrych praktyk do realizacji zadań związanych z różnymi sferami działalności pedagogicznej w zróżnicowanych środowiskach społecznych, uwzględniając możliwości wynikające z etapu rozwoju ośrodkowego układu nerwowego, w celu rozpoznawania potrzeb psychospołecznego wsparcia dziecka/ ucznia (A3.U4)	PP_U_01 PP_U_04 PP_U_13	3 3 3	
PP-A3-NPE_3	osoby studiujące są gotowe do wykorzystania zdobytej wiedzy neurobiologicznej, neuropsychologicznej do analizy zdarzeń pedagogicznych i w budowaniu relacji opartej na wzajemnym zaufaniu między wszystkimi podmiotami procesu wychowania i kształcenia (A3.K2)	PP_K_03	3	

9. Methods of conducting classes		
Code	Category	Name (description)
b02	Problem-solving methods	Lecture-discussion <i>transmission of content involving interaction with the lecture audience; discussion of lecture-related issues is one of its elements or constitutes its follow-up</i>
b03	Problem-solving methods	Activating method – educational games <i>learning content in the guise of a rule- and/or principle-based game; conducted in a deliberately arranged situation based on the description of relevant facts and processes; learners compete with one another within the framework of rules laid down by the academic teacher; varieties include simulation games – involving a simulation of real situations; decision games – based on the decision-making process and the recognition of the consequences of the decisions made (e.g., a decision tree); psychological games – increasing the emotional-volitional component of the participants' attitudes</i>
b07	Problem-solving methods	Activating methods: a case study <i>a comprehensive description of a phenomenon connected with the selected discipline; reflecting the reality, presenting the 'what', 'where' and 'how' of the phenomenon, i.e., all of its key aspects to be discussed in class; used as a reproduction, presentation, discussion or diagnosis of factors that shape the phenomenon or interact with it; an in-depth qualitative analysis and evaluation of a selected phenomenon</i>
b10	Problem-solving methods	SWOT analysis <i>a method of analyzing a phenomenon/action/work of an institution, employed to organize information and solve problems; applied in strategic planning, project implementation or solving a business or organizational problem; a universal tool to be used in the initial stage of a strategic analysis which involves sorting information about a problem into four categories: strengths and weaknesses, opportunities and threats; SWOT analysis makes it possible to determine the factors in favour of a project and its chances for success, as well as eliminating or reducing negative factors and threats to the project at the stage of early diagnosis</i>
c02	Demonstration methods	Video show <i>reproducing a film or video material in its entirety or in fragments in order to illustrate the content taught in class, to submit it to analysis and evaluation or to use it as an exercise in image perception; a film/video can be a work of art, an illustration (also technical illustration) of a content/phenomenon/object, a private record of an action, a media image, etc.</i>
c07	Demonstration methods	Screen presentation <i>a presentation of synthetic image content using computer graphics, e.g., a series of slides or other multimedia forms, usually accompanied by a commentary; typical components of a screen presentation include text organized into bulleted points, charts, images and animations, sometimes sound effects or music; a multimedia illustration of course content presented in the form of a projected image</i>
f03	Methods of self-learning	Conceptual work <i>a (mainly intellectual) activity carried out independently (or in a selected group) resulting in the creation of a concept, idea or project; creating a plan based on a vision; developing a general outline of a project; producing a simplified sketch of the variant versions of a procedure/product/work</i>

10. Forms of teaching					
Code	Name	Number of hours	Assessment of the learning outcomes of the module	Learning outcomes of the module	Methods of conducting classes
PP-A3-NPE_fns_1	practical classes	20	course work	PP-A3-NPE_1, PP-A3-NPE_2, PP-A3-NPE_3	b02, b03, b07, b10, c02, c07, f03

11. The student's work, apart from participation in classes, includes in particular:				
Code	Category	Name (description)		Is it part of the BUNA?
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content <i>reading through the syllabus and getting acquainted with its content</i>		Yes
b02	Consulting the curriculum and the organization of classes	Verification / adjustment / discussion of syllabus provisions <i>consulting the content of the syllabus, possibly in the presence of the year tutor or members of the class group, and, if necessary, reassessing the provisions concerning special conditions for class participation, e.g., space and time requirements, technical and other requirements, including conditions for participation in classes outside the walls of the university, classes organized in blocks, organized online, etc.</i>		Yes
c01	Preparation for verification of learning outcomes	Determining the stages of task implementation contributing to the verification of learning outcomes <i>devising a task implementation strategy embracing the division of content, the range of activities, implementation time and/or the method(s) of obtaining the necessary materials and tools, etc.</i>		Yes
d01	Consulting the results of the verification of learning outcomes	Analysis of the corrective feedback provided by the academic teacher on the results of the verification of learning outcomes <i>reading through the academic teacher's comments, assessments and opinions on the implementation of the task aimed at checking the level of the achieved learning outcomes</i>		Yes

Information on the details of the module implementation in a given academic year can be found in the syllabus available in the USOS system: <https://usosweb.us.edu.pl>.