

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	2024/2025 (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	Logic
Module code	PP-B3-L
Number of the ECTS credits	2
Language of instruction	Polish
Purpose and description of the content of education	Celem przedmiotu jest poznanie sposobu jasnego i ścisłego formułowania myśli, poprawnego rozumowania i uzasadniania twierdzeń. W ramach modułu studenci będą mieli możliwość wzbogacenia wiedzy i doskonalenia umiejętności odnośnie zasad rozumowania, wnioskowania, analizy i wykorzystania wiedzy z zakresu logiki do uzasadniania własnych tez, budowania argumentów, stosowania praw logiki w przeprowadzonych rozumowaniach.
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-B3-L_1	studentka/student zna i rozumie wnioskowanie dedukcyjne, argumentowanie i zapisywanie rozumowań, wykonywanie eksperymentów numerycznych i geometrycznych, dostrzeganie regularności prowadzących do uogólnień, uzasadnianie uogólnień, formułowanie i weryfikację hipotez, rozumowania dedukcyjne w geometrii płaskiej i przestrzennej (B3.W4) oraz podstawowe struktury matematyki szkolnej: liczby i ich własności, zbiory liczbowe, działania na liczbach, figury, relacje i zależności funkcyjne, reprezentacje graficzne (B.3.W1)	PP_W_13	4
PP-B3-L_2	studentka/student potrafi prowadzić proste rozumowania matematyczne i oceniać ich poprawność oraz rozwiązywać łamigłówki logiczne (B3.U2; B3.U4)	PP_U_02	4

9. Methods of conducting classes		
Code	Category	Name (description)
a05	Lecture methods / expository methods	Explanation/clarification <i>explication involving the derivation of a predetermined theorem from other, already known ones, in the number of steps specified by the person teaching the course</i>
b01	Problem-solving methods	Problem-based lecture <i>an analysis of a selected scientific or practical problem accompanied by its assessment and an attempt to provide a solution to the issues presented in the lecture as well as the indication of the consequences of the proposed solution</i>

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>
c06	Demonstration methods	Demonstration-imitation <i>a presentation of a model way of performing specific activities accompanied by a commentary; it aims at triggering imitation activities in an individual or in a group of participants observing the activities of the person teaching the course until the right habit is formed through regular exercise; the demonstration-imitation method is combined with a physical practice of activities/behaviours</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-B3-L_fns_1	lecture	10	course work	PP-B3-L_1, PP-B3-L_2	a05, b01, b02, c06

11. The student's work, apart from participation in classes, includes in particular:			
Code	Category	Name (description)	Is it part of the BUNA?
a02	Preparation for classes	Literature reading / analysis of source materials <i>reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class</i>	No
a04	Preparation for classes	Consulting materials complementary to those indicated in the syllabus <i>agreeing on materials complementary to those indicated in the syllabus, supporting the implementation of tasks resulting from or necessary for class participation</i>	Yes
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>	No
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
c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class <i>exploring the studied content, inquiring, considering, assimilating, interpreting it, or organizing knowledge obtained from the literature, documentation, instructions, scenarios, etc., used in class as well as from the notes or other materials/artifacts made in class</i>	No

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>.