

1.	Field of study	Pedagogy: Pre-School Education and Early School Education
2.	Faculty	Faculty of Social Sciences
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		Logika
Module code		PPW_LOG
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)	
PPW_LOG_1	Absolwent zna i rozumie podstawowe struktury matematyki szkolnej: liczby i ich własności, zbiory liczbowe, działania na liczbach, figury, relacje i zależności funkcyjne, reprezentacje graficzne (B.3.W1).	KN2_W13	4	
PPW_LOG_2	Absolwent zna i rozumie rozumowania matematyczne w zakresie matematyki szkolnej, w tym 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 (B.3.W4).	KN2_W13	5	
PPW_LOG_3	Absolwent potrafi rozwiązywać zagadki i łamigłówki logiczne (B.3.U4).	KN2_U02	5	

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>
d02	Programmed learning methods	Working with a programmed textbook <i>working with a textbook containing instructional material covering part of or the entire curriculum of the module as well as a formula for studying the content; includes working with a subject textbook, an atlas, a catalogue, a problem book, etc.</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
PPW_LOG_fns_1	lecture	10	course work	PPW_LOG_1, PPW_LOG_2, PPW_LOG_3	a05, b01, b02, d02

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>.