

1.	Field of study	Cognitive Science
2.	Faculty	Faculty of Humanities
3.	Academic year of entry	2025/2026 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	part-time

7.	General information about the module	
Module name		Metodologia badań empirycznych
Module code		KO1_MBE
Number of the ECTS credits		3
Language of instruction		
Purpose and description of the content of education		Celem modułu jest zapoznanie osób studiujących z metodologią badań empirycznych, a w szczególności z zagadnieniami pozwalającymi na projektowanie i interpretowanie badań i eksperymentów kognitywistycznych. Tematyka zajęć obejmuje m.in. zagadnienia: obserwacja i pomiar, projektowanie i prowadzenie eksperymentu, interpretowanie wyników badań, korzystanie ze źródeł naukowych. Osoby studiujące poznają wybrane sposoby projektowania eksperymentów kognitywistycznych, zbierania i interpretowania danych, czy raportowania i czytania ich opisów. W trakcie modułu omówione zostanie również praktyczne zastosowanie narzędzi statystycznych.
List of modules that must be completed before starting this module (if necessary)		[KO1_S] Statystyka

8.	Learning outcomes of the module			
Code	Description	Learning outcomes of the programme	Level of competenc (scale 1-5)	
KO1_MBE_1	Ma zaawansowaną wiedzę na temat metodologii badań kognitywistycznych.	KO1_W06	5	
KO1_MBE_2	Wie jak zaprojektować, przeprowadzić i interpretować badania eksperymentalne.	KO1_W08	5	
KO1_MBE_3	Potrafi zaprojektować i zinterpretować eksperyment kognitywistyczny o odpowiedniej trafności wewnętrznej i zewnętrznej.	KO1_U05	5	
KO1_MBE_4	Potrafi krytycznie ocenić i zaplanować własny projekt badania kognitywistycznego.	KO1_U11	3	
KO1_MBE_5	Korzystając z wiedzy z zakresu metodologii badań empirycznych wyraża gotowość do zmiany opinii.	KO1_K01	5	

9.	Methods of conducting classes		
	Code	Category	Name (description)
	a01	Lecture methods / expository methods	Formal lecture/ course-related lecture <i>a systematic course of study involving a synthetic presentation of an academic discipline; its implementation assumes a passive reception of the information provided</i>
	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</i>

		<i>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>
b04	Problem-solving methods	Activating method – discussion / debate <i>an exchange of views supported by substantive arguments leading to a clash of different views, a compromise or the identification of common positions; it proceeds according to previously agreed-upon rules regarding the time, manner and turn-taking as well as the principles of civil discourse; a discussion is not a competition but aims at finding the best solutions or presenting different points of view; its varieties include brainstorming, Oxford-style debate, panel discussion, decision tree, conference discussion; a debate is an orderly dispute between supporters and opponents of a viewpoint, usually specialists in the field or pre-selected representatives of a group dealing with a common problem</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>
d01	Programmed learning methods	Working with a computer <i>e.g., Webquest; implementation of educational tasks using electronic and digital devices, computer programs and Internet applications; the academic teacher acts as a consultant; students' work is carried out step by step according to the plan laid own by the person teaching the course and following his instructions, and proceeds towards producing the indicated results within the set deadline</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
KO1_MBE_k	discussion classes	20	course work	KO1_MBE_2, KO1_MBE_3, KO1_MBE_4	b04, b07, d01
KO1_MBE_w	lecture	10	exam	KO1_MBE_1, KO1_MBE_2, KO1_MBE_5	a01, a05, b01, d01

11. The student's work, apart from participation in classes, includes in particular:				
Code	Category	Name (description)		Is it part of the BUNA?
a01	Preparation for classes	Search for materials and review activities necessary for class participation <i>reviewing literature, documentation, tools and materials as well as the specifics of the syllabus and the range of activities indicated in it as required for full participation in classes</i>		No
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

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
b03	Consulting the curriculum and the organization of classes	Consulting the schedule <i>getting acquainted with the class schedule, possibly in the presence of the year tutor, in order to optimize participation in classes, including those supplementary to the core subjects listed in the pursued study programme</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
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>.