1.	**Field of study**	**Cognitive Science**
2.	Faculty	Faculty of Humanities
3.	Academic year of entry	2023/2024 (winter term)
4.	Level of qualifications/degree	first-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

7.	**General information about the module**
Module name	**Programowanie 1**
Module code	KO1_P1
Number of the ECTS credits	3
Language of instruction	
Purpose and description of the content of education	Celem zajęć jest przekazanie wiedzy na temat algorytmiki i programowania oraz wyrobienie umiejętności tworzenia programów z wykorzystaniem wybranego języka programowania wysokiego poziomu. Zakłada się zarówno zdobycie wiedzy na temat podstawowych konceptów z zakresu programowania, jak i nabycie umiejętności tworzenia użytecznych programów, ukierunkowanych na rozwiązywanie problemów charakterystycznych dla kognitywistyki. W trakcie zajęć osoby studiujace poznają takie zagadnienia jak: algorytmy, definicje, właściwości i rodzaje; metody zapisu algorytmów; zapisywanie algorytmów z wykorzystaniem języka programowania; zmienne, typy, instrukcje sterujące wykonaniem programów, podprogramy czy strukturalne typy danych, obsługa plików.
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)
KO1_P1_1	Zna podstawowe metody tworzenia algorytmów i konstruowania programów, ich testowania i uruchamiania.	KO1_W06	4
KO1_P1_2	Zna i rozumie możliwości wykorzystania programowania w problemach charakterystycznych dla kognitywistyki.	KO1_W09	3
KO1_P1_3	Potrafi wykorzystać metody i narzędzia programowania do rozwiązywania problemów z zakresu nauk kognitywnych.	KO1_U02	3
KO1_P1_4	Potrafi rozwiązywać problemy programistyczne pracując w zespole, potrafi wykorzystać przeznaczone do tego narzędzia informatyczne.	KO1_U10	3
KO1_P1_5	Potrafi samodzielnie dobierać metody i środki realizacji oprogramowania, poszerzając swoją wiedzę o stosowaniu ich w kognitywistyce.	KO1_U11	3
KO1_P1_6	Samodzielnie proponuje kreatywne rozwiązania problemów rozważanych w naukach kognitywnych z wykorzystaniem metod i narzędzi programowania.	KO1_K02	3

9. Methods of conducting classes

Code	Category	Name (description)
a05	Lecture methods / expository methods	Explanation/clarification

		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
b07	Problem-solving methods	Activating methods: a case study *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*
d01	Programmed learning methods	Working with a computer *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*
e01	Practical methods	Laboratory exercise / experiment *[also conducted as fieldwork] a method of practical application of knowledge; implemented in three stages: the recognition of a problem induced by the task content, the formulation of the problem and the attempt to solve it accompanied by the assessment of the effects; the goal is to acquire skills, abilities and habits, and to consolidate the acquired knowledge so that it becomes operational; the laboratory method assumes greater independence of learners than carrying out an experiment*

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_PP1_l	laboratory classes	30	course work	KO1_P1_1, KO1_P1_2, KO1_P1_3, KO1_P1_4, KO1_P1_5, KO1_P1_6	a05, b07, d01, e01

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 *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*	No
a02	Preparation for classes	Literature reading / analysis of source materials *reading the literature indicated in the syllabus; reviewing, organizing, analyzing and selecting source materials to be used in class*	No
a03	Preparation for classes	Developing practical skills *activities involving the repetition, refinement and consolidation of practical skills, including those developed during previous classes or new skills necessary for the implementation of subsequent elements of the curriculum (as preparation for class participation)*	No
a04	Preparation for classes	Consulting materials complementary to those indicated in the syllabus *agreeing on materials complementary to those indicated in the syllabus, supporting the implementation of tasks resulting from or necessary for class participation*	Yes
b01	Consulting the curriculum and the organization of classes	Getting acquainted with the syllabus content *reading through the syllabus and getting acquainted with its content*	No
b02	Consulting the curriculum and the organization of classes	Verification / adjustment / discussion of syllabus provisions *consulting the content of the syllabus, possibly in the presence of the year tutor or members of the*	Yes

		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.	
b03	Consulting the curriculum and the organization of classes	Consulting the schedule *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*	Yes
c01	Preparation for verification of learning outcomes	Determining the stages of task implementation contributing to the verification of learning outcomes *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.*	Yes
c02	Preparation for verification of learning outcomes	Studying the literature used in and the materials produced in class *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*	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.