University of Silesia in Katowice

1.	Field of study	**Computer Science**
2.	Faculty	Faculty of Science and Technology
3.	Academic year of entry	2021/2022 (summer term)
4.	Level of qualifications/degree	second-cycle studies
5.	Degree profile	general academic
6.	Mode of study	full-time

Module: Recommendation systems and social networks

Module code: W4-INA-S2-20-F-SRiSS

1. Number of the ECTS credits: 4

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
M_001	The student knows the use and implementation of algorithms used in recommendation systems.	K_W01	1
		K_W02	1
		K_W04	1
M_002	The student knows the operation of recommendation systems and social networks.	K_W02	1
		K_W05	1
		K_W07	1
M_003	The student can choose and implement the algorithm used in recommendation systems.	K_U01	1
		K_U08	1
		K_U09	1
M_004	The student can develop a scheme of dealing with data in recommendation systems, aimed at the proper operation of such a system.	K_U03	1
		K_U04	1
		K_U06	1
		K_U09	1
M_005	The student is aware of raising their competences through continuous self-improvement.	K_K01	1
		K_K02	1

3. Module description	
Description	The module's aim is to acquaint the students with recommendation systems, their operating principles and algorithms associated with them, and with social networks and methods of their analysis.
Prerequisites	

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
W_001	Reports	The students prepare written reports within a specified period as verification of skills gained during problem-solving.	M_001, M_002, M_003, M_004, M_005
W_002	Final test	The test checks knowledge on the topics covered in the lectures.	M_001, M_002, M_005

5. Forms of teaching

code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
Z_001	lecture	The lectures are conducted with multimedia tools and discuss issues related to recommendation systems and social networks.	15	The students prepare for laboratory classes and passing the lecture test.	20	W_002
Z_002	laboratory classes	The classes prepare the students to perform laboratory tasks. They are the practical implementation of issues discussed during lectures.	30	The students prepare for laboratory tasks and solve them individually.	55	W_001