

1. Field of study	Computer Science
2. Faculty	Faculty of Science and Technology
3. Academic year of entry	2022/2023 (summer term), 2023/2024 (winter term), 2023/2024 (summer term), 2024/2025 (winter term), 2024/2025 (summer term)
4. Level of qualifications/degree	second-cycle studies
5. Degree profile	general academic
6. Mode of study	part-time

Module: Recommendation systems and social networks

Module code: W4-IN-N2-20-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	Has knowledge about the use and implementation of algorithms used in recommendation systems	K_W01 K_W02	1 1
M_002	Has knowledge of the operation of recommendation systems and social networks.	K_W02 K_W05 K_W07	1 1 1
M_003	Can choose and implement the appropriate algorithm used in recommendation systems	K_U01 K_U08 K_U09	1 1 1
M_004	Is able to develop a scheme of dealing with data in recommendation systems, aimed at the proper operation of such a system.	K_U03 K_U04 K_U06 K_U09	1 1 1 1
M_005	Is aware of raising their competences through continuous self-improvement	K_K01 K_K02	1 1

3. Module description

Description	The aim of the module is to familiarize students with recommendation systems, their operating principles and algorithms associated with them. And with social networks and methods of their analysis.
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Prerequisites	
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4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
W_001	Reports	Preparation of written reports, their completion within a specified period as a verification of skills acquired during problem solving.	M_001, M_002, M_003, M_004, M_005
W_002	Final test	Test checking knowledge of the topics covered in 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	Lectures conducted using multimedia tools, discussing issues related to recommendation systems and social networks.	15	Preparation for laboratories and passing the lecture.	20	W_002
Z_002	laboratory classes	Preparing students to perform lab exercises. Practical presentation of issues discussed during lectures.	30	Preparation for laboratory exercises. Self-solving laboratory exercises.	55	W_001