Card of educational and methodical support Fall semester 2022-2023 academic years

on the educational program "Information Security Systems"

Discipline's code	Discipli	ine's title	title Indepen No. of hours per week Numbe							
	2.000000000		dent work of students (IWS)	Lectu res (L)	Practical tr (PT)			Labor tory (Lab	r of credits	Independen t work of student with teacher (IWST)
SRM 7201	Scientif method	ic Research s	0	0		18		0	2	3
			Academic							
Form of education		f course		of lectur		1	s of prac training		Number of IWS	Form of final control
Offline	Mandat		Problema	atic/analy	tical	a	search ar nalysis of ific litera	f	0	Project
Lecturer		⁷ Batyrkhan S								
e-mail		an@gmail.co	<u>m</u>							
Telephone number	+77075									
			cademic pr							
Aim of course	;	As a res	ted Learning sult of studying dergraduate	ng the di	scipline				LO achievem	
to form the understand the ability of using principles and pract Scientific writing to publish scientific result	of the tices of do own	Module 1 Fundamentals of Scientific Writing LO1-1: name and demonstrate the object of scientific writing and its concept.					(Cognitive). 1.1.1 Determine the scientific writing objects. 1.1.2 Demonstrate the basic concepts of scientific writing.			
		LO2-1: expl of scientom	cientometric lain the goal etric databas I, SCIE, SSC	and work es as Sco	ting prin	nciple	2.1.1 D databas 2.1.2 D	efine th es. escribe	-	cientometric y of working abases.
		LO2-2: apply searching necessary literatures in scientometric databases.					2.2.1 Demonstrate the application of scientometric databases in own research and literature review.			
		Module 3 F	Review pape	r types (Cogniti	ve, Fund	ctional, S	ystemi	c)	
		LO3-1: Describe Review paper types and goals					 3.1.1 Describe the systematic review model. 3.1.2 Demonstrate the common revie paper model. 3.1.3 Demonstrate literature review scientometric databases by queries. 			ion review review in
		LO3-2: Des structure	scribe and ap	ply revie	w paper	r	3.2.1 E review 3.2.2 E Literatu 3.2.3	Describe paper Demonst Ire Revi Demons	Abstract wri rate Applicat ew part for a	ing for a ion of review paper blem Statement
		LO3-3: Des	scribe and ap	ply litera	ture rev	view	3.3.1 D	escribe	and compare	techniques for the literatures

		3.3.2 Demonstrate the comparative analysis of literatures.3.3.3 Demonstrate the critical review of literatures.						
	LO3-4: Describe and apply a Problem clarification and Research question	 3.4.1 Describe clarification of the research problem. 3.4.2 Demonstrate the application of querying. 3.4.3. Demonstrate inclusion and exclusion process of the literature 						
	LO3-5: Describe and apply a review paper writing	 3.5.1 Describe standard review paper structure. 3.5.2 Demonstrate application of citing methods. 3.5.3 Demonstrate Discussion and Conclusion parts of the review. 						
	Module 4 Research papers (Cognitive, Function							
	LO4-1: Describe and apply research paper structure	4.1.1 Describe and compare Research and Review paper goals4.1.2 Demonstrate research paper structure						
	LO4-2: Describe and apply writing principles of research papers	 4.2.1 Describe writing an abstract and problem statement of a research paper. 4.2.2 Demonstrate the scientific novelty of own research. 						
	Module 5 ScholarOne Manuscript submission LO5-1: demonstrate the manuscript submission to journals and conferences							
		appropriate format.						
	Module 6 Writing research design and results							
	LO6-1: Describe and apply Methods of Research paper writing	6.1.1 Describe dissertation structure.6.1.2 Demonstrate the goals of parts of a dissertation.						
Prerequisites								
Post requisites	Writing scientific articles							
Information resources	 Basic Literature: 1. Angelika H. Hofmann. Scientific Writing and Communication: Papers, Proposals, and Presentations. Oxford University Press, Nov 15, 2019 - Communication in science - 768 pages 2. El-Sadig Y. Ezza, Touria Drid. Teaching Academic Writing As a Discipline- Specific Skill in Higher Education. IGI Global, 27 дек. 2019 г Всего страниц: 200 							
	 300 Complementory literature: 3. Michael Alley. The Craft of Scientific Writing. Springer, 21 мар. 2018 г Всего страниц: 298. 4. Steven C. Roe, Pamela H. den Ouden. Academic Writing, Third Edition: The Complete Guide. Canadian Scholars, 26 апр. 2018 г Всего страниц: 346 5. N. Gurumani. Scientific Thesis Writing and Paper Presentation. MJP Publisher, 11 июн. 2019 г Всего страниц: 460. 							

Academic policy of	Academic Behavior Rules:									
the course in the	All students have to register at the MOOC/MOODLE-KAZNU. The deadlines for completing the module	s								
context of	of the online course must be strictly observed in accordance with the discipline study schedule.									
university moral	ATTENTION! Non-compliance with deadlines leads to loss of points! The deadline of each task i	s								
and ethical values	indicated in the calendar (schedule) of implementation of the content of the curriculum, as well as in the	e								
	MOOC/MOODLE-KAZNU.									
	Academic values:	ic values:								
	- Practical trainings/laboratories, IWS should be independent, creative.									
	- Plagiarism, forgery, cheating at all stages of control are unacceptable.									
	- Students with disabilities can receive counseling at e-mail <u>batyahan@gmail.com.</u>									
Evaluation and	Criteria-based evaluation:									
attestation policy	assessment of learning outcomes in relation to descriptors (verification of the formation of competencies in midterm control and exams).									
	Summative evaluation: assessment of work activity in an audience (at a webinar); assessment of the									
	completed task.									
	The final grade for the discipline is calculated according to the following formula:									
	(MC1+MT+MC2)/3*0.6+FC*0.4, where MC - midterm control; MT - intermediate exam (midterm); FC									
	- final control (exam).									
	The rating scale is given in a syllabus:									
	Assessment									
	by letter system Numeric equivalent Points (% content) Score according to the traditional system									
	A 4,0 95-100 Excellent									
	A- 3,67 90-94									
	B+ 3,33 85-89 Good									
	B 3,0 80-84									
	B- 2,67 75-79									
	C+ 2,33 70-74									
	C 2,0 65-69 Satisfactory									
	C- 1,67 60-64									
	D+ 1,33 55-59									
	D- 1,0 50-54									
	FX 0,5 25-49 Unsatisfactory									
	F 0 0-24									

	CALENDAR (SCHEDULE) THE IMPLEMENTATION OF THE COURSE CONTENT:									
week	Topic name	LO	ID	amo	Maxi	Form of	The			
s				unt	mum	Knowledg	Form of the			
				of	score	e	lesson			
				hou		Assessmen	/ platform			
				rs		t				

	Module 1 Fundamentals of Scientific Writing									
1	PT 1 Object of scientific writing and its main components	LO 1	ID 1.1.1, ID 1.1.2	2	6	ТК	Offline			
1	IWS1 Object of scientific writing concepts	LO 1	ID 1.1.1, ID 1.1.2		12	IT				
2	PT 2 Scientometric databases and how to search from them	LO 1	ID 1.1.1, ID 1.1.2	2	6	ТК	Offline			

2	IWS2 Searching necessary literatures	LO 1	ID 1.1.1,			IT	
2	1002 Searching necessary incratures	LOI	ID 1.1.1, ID 1.1.2			11	
					12		
3	PT 3 Querying in scientometric databases.	LO 1	ID 1.1.1,	2	6	ТК	Offline
			ID 1.1.2	_	-		0111110
3	IWS3 Find necessary documents by querying and	LO 1	ID 1.1.1,		12	IT	
	search from them		ID 1.1.2				
3	IWST1 Consultation on the implementation of	LO 1	ID 1.1.1,	1			Offline
	IWS1, IWS2, IWS3		ID 1.1.2				
	Module 2 S	cientomet	ric databases	s			
4	PT 4 How to use Scopus database.	LO 2-1	ID 2.1.1,		6	TK	Offline
	1		ID 2.1.2				
4	IWS4 Searching from Scopus	LO 2-1	ID 2.1.1,		12	IT	
			ID 2.1.2				
5	PT 5 Application of Sciencedirect for literature	LO 2-2	ID 2.2.1		6	TK	Offline
	searching.						
5	IWS 5 Application of Sciencedirect and find	LO 2-2	ID 2.2.1		12	IT	
	necessary literature by querying						
		101					0.071
	IWST2 Consultation on the implementation of	LO 1,	ID 2.1.1,				Offline
	IWS4, IWS5	LO 2	ID 2.1.2,				
		T O 1	ID 2.2.1		100		
5	MC 1	LO 1			100		
		LO 2					
			paper types		6	TTZ	0.01
6	PT 6 Systematic review model	LO 3-1	ID 3.1.1,	2	6	TK	Offline
			ID 3.1.2, ID 3.1.3				
6		1021			10	IT	
6	IWS6 Read 10 systematic review paper in own	LO 3-1	ID 3.1.1,		12	IT	
	research subject		ID 3.1.2, ID 3.1.3				
7	PT 7 Common notion non-sector del	1022		-	(TV	Offling
7	PT 7 Common review paper model.	LO 3-2	ID 3.2.1,	2	6	TK	Offline
			ID 3.2.2,				
7	WC7 Deed 10 merion per en in sum manage 1		ID 3.2.3		10	IT	
7	IWS7 R ead 10 review paper in own research		ID 3.2.1,		12	IT	
	subject		ID 3.2.2,				
7		1021	ID 3.2.3	1			O.C.
7	IWST3 Consultation on the implementation of IWS6, IWS7	LO 3-1, LO 3-2	ID 3.1,	1			Offline
		LU 3-2	ID 3.2	1		1	

8	PT 8 Abstract writing for a review paper.	LO 3-3 LO 3-4	ID 3.3, ID 3.4	2	6	ТК	Offline
0					10	IT	
8	IWS 8 Literature review in scientometric databases by queries.	LO 3-3, LO 3-4	ID 3.3, ID 3.4		12	IT	
9	PT 9 Demonstrate Application of Literature Review part for a review paper.	LO 3-5	ID 3.5.1, ID 3.5.2, ID 3.5.3	2	6	ТК	Offline
9	IWS9 Demonstrate the Problem Statement of Literature review research.	LO 3-5	ID 3.5.1, ID 3.5.2, ID 3.5.3		12	IT	
9	IWST4 Consultation on the implementation of IWS8, IWS9	LO 3-3, LO 3-4, LO 3-5	ID 3.3, ID 3.4, ID 3-5	1			Offline
	Module	4 Resear	ch papers				
10	PT 10 Compare Research and Review paper goals.	LO 4-1	ID 4.1.1, ID 4.1.2	2	6	ТК	Offline
10	IWS 10 Demonstrate research paper structure.	LO 4-1	ID 4.1.1, ID 4.1.2		12	IT	
10	MT (Midterm Exam)	LO 1, LO 2, LO 3	ID 1, ID 2, ID 3		100		
11	PT 11 Describe writing an abstract and problem statement of a research paper.	LO 4-2	ID 4.2.1, ID 4.2.2	2	6	TK	Offline
11	IWS11 Demonstrate the scientific novelty of own research.	LO 4-2	ID 4.2.1, ID 4.2.2		12	IT	
11	IWST5 Consultation on the implementation of IWS10, IWS11	LO 4-1, LO 4-2	ID 4.1, ID 4.2	1			Offline
			e Manuscrip	t			
12	PT 12 Determine the manuscript submission to	nission gui LO 5-1	ID 5.1.1,	2	6	TK	Offline
12	scientific conferences in appropriate format.	LO 3-1	ID 5.1.1, ID 5.1.2		0		Onnie
12	IWS12 Demonstrate the manuscript submission to scientific journals in appropriate format.	LO 5-1	ID 5.1.1, ID 5.1.2		12	IT	
13	PT 13 Demonstrate the manuscript submission to scientific journals in appropriate format.	LO 5-1	ID 5.1.1, ID 5.1.2	2	6	TK	Offline

13 13	IWS13 Demonstrate the scientific novelty of own research.IWST6 Consultation on the implementation of IWS12, IWS13	LO 5-1 LO 5-1	ID 5.1.1, ID 5.1.2 ID 5.1.1, ID 5.1.2	1	12	IT	Offline
	Module 6 Wr	iting resea results	arch design ai	nd			
14	PT 14 Determine the manuscript submission to scientific conferences in appropriate forma.	LO 6-1	ID 6.1.1, ID 6.1.2	2	6	ТК	Offline
14	IWS14 Demonstrate the manuscript submission to scientific journals in appropriate format.				12	IT	
15	PT 15 Describe dissertation structure e.	LO 6-1	ID 6.1.1, ID 6.1.2	2	6	ТК	Offline
15	IWS15 Demonstrate the goals of parts of a dissertation.				12	IT	
	IWST7 Consultation on the implementation of IWS14, IWS15	LO 6-1	ID 6.1.1, ID 6.1.2	1			Offline
	MC 2	LO 4, LO 5, LO 6	ID 4.1, ID 4.2, ID 5.1, ID 6.1		100		

[Abbreviations: QS - questions for self-examination; TK - typical tasks; IT - individual tasks; CW - control work; MC- midterm control, MT - midterm exam.

Comments:

- Form of L and PT: webinar in MS Teams / Zoom (presentation of video materials for 10-15 minutes, then its discussion / consolidation in the form of a discussion / problem solving / ...)

- Form of carrying out the CW: webinar (at the end of the course, the students pass screenshots of the work to the monitor, he/she sends them to the teacher) / test in the Moodle DLS.

- All course materials (L, QS, TK, IT, etc.) see here (see Literature and Resources, p. 6).

- Tasks for the next week open after each deadline.

- CW assignments are given by the teacher at the beginning of the webinar.]

Dean Chairman of the Faculty Methodical Bureau Head of the Department Lecturer B.Urmashev F.Gusmanova Sh.Mussiraliyeva B.Omarov