SYLLABUS Fall semester 2022-2023 academic years on the educational program "Information Security Systems"

Discipline's code	Discipli	ine's title	Indepen	No. of	hours r	oer week	7		Numbe	Independen
			dent work of students (IWS)	Lectu res (L)	Practical tr (PT)		cal training		r of r of credits	t work of student with teacher (IWST)
SRM 7201	Scientif method	ic Research s	0	0		18		0	2	3
	-		Academic	course i	informa					-
Form of education	Type of	f course		of lectur			s of prac training		Number of IWS	Form of final control
Offline	Mandat	·	Problema	atic/analy	tical	a	search ar nalysis of ific litera	2	0	Project
Lecturer		^y Batyrkhan S								
e-mail		an@gmail.co	<u>m</u>							
Telephone number	+77075									
			Academic pr							
Aim of course		As a res	ted Learnin sult of studyi dergraduate	ng the di	scipline				LO achiever LO at least 2	
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 II, SCIE, SSC	and work es as Sco	king prin	nciple	2.1.1 D databas 2.1.2 D	efine th es. escribe	-	scientometric gy of working tabases.
		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, Fun	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. 			mon review e review in
		LO3-2: Describe and apply review paper structure								iting for a tion of review paper blem Statement h
		LO3-3: Des	scribe and ap	ply litera	ture rev	view				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:								
	- 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						
		LOI					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	TTIZ .	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