Al-Farabi Kazakh National University
Information Technology faculty
The SYLLABUS
Spring semester 2020-2021academic year
Educational program in the specialty
« 6B06301 - Information Security Systems »
Scientific Writing

Discipline code.	Title of the discipline	Student Independent work (SIW)	Number of hours per week			Number of credits.	Independnt work of a student under the guidance of a teacher (IWST)
			Lecture (L)	Practice (P)	Laboratory Work (LW)		
SW 3209	**Scientific Writing**	**98**		**2**		**5**	**7**

Academic information about the course

Type of training	Type/nature of the course	Types of lectures	Types of practical classes	Number of independents works of the student	Form of final control
Online	Theoretical			At least three	Test univer

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Academic presentation of the course	**The main aim**of the course is to acquaint students with the special features, characteristics of the academic style of scientific language, to give the explanation of factors and processes, which had an effect on the formation of contemporary scientific English; the more detailed study of the structure of English language and the analysis of scientific texts from the comparative- translation positions; the study of the information of scientific nature of the scientific information texts; to define the features of general scientific style with specific examples;summarize the observations, highlighting syntactic, lexical features and scientific style in English; to develop skills of a future specialist to distinguish the characteristics of a scientific vocabulary of English through the study of specific examples of scientific style. The aim of the course is to distinguish the characteristics of English scientific writing through the study of specific examples of scientific style. **As a result of studying the discipline, the student will be able to:** **1.** to possess the system of knowledge about the changes in the modern English language; **2.** to know how to evaluate problems, trends in the development of Scientific Lexis; **3.** to understand the methodological bases of the estimation of the state of English scientific language in connection with the lingual, social and political processes in the contemporary society; **4.** to know the significant differences between scientific English and ordinary English.
Prerequisites Postrequisites	Basic foreign language A1, A2, B1, B2 continuation of the study of theoretical language disciplines
Literature	1. ArmerTamzen. Cambridge English for Scientists. Student's Book. Cambridge University Press, 2011. — 108 p. OCR.

	2. Michael McCarthy. Felicity O'Dell. English Vocabulary in Use. Advanced. 2004 3. Michael Vince with Peter Sunderland. Advanced Language Practice English Grammar and Vocabulary. Longman, 2005 4.Lindsay D. Scientific Writing = Thinking in Words. CS.IRO Publishing, 2011. — 128 p. 5.Beer David F., McMurrey David. A Guide to Writing as an Engineer. 3rd Edition. – Wiley, 2009. – 290 pages.
Academicpolicy	Rules of academic behavior: Mandatory attendance at classes, no tardiness. Absence and lateness to classes are estimated at 0 points. Mandatory compliance with deadlines for completion and delivery of tasks (for SRS, boundary controls, control, laboratory, project work, etc.), the final exam. If the deadline is violated, the completed task is evaluated taking into account the deduction of penalty points. Academic values: Academic integrity and integrity: independence in performing all tasks; the inadmissibility of plagiarism, forgery, use of Cribs, cheating at all stages of knowledge control, cheating the teacher and disrespectful attitude to the teacher and students. Students with disabilities can receive counseling at the following email address: narbaevasalta777@gmail.com.
Assessmentand CertificationPolicy	Criteria assessment: During the acceptance of work performed and the final exam, the assimilation of theoretical material and the acquisition of theoretical and practical skills are checked in accordance with the descriptors (verification of the formation of competencies in midterm control and exams). Summative assessment: assessment of active work in the audience; assessment of the completed task.

Assessment and certification policy	**Criteria based assessment:** assessment of learning outcomes in relation to descriptors (checking the formation of competencies at the border control and exams). **Summative assessment:** assessment of the presence and activity of work in the audience; assessment of the completed task,IWS Formula for calculating the finalscore. Final assessment of the discipline $= (RK1 + MT + RK2) * 0{,}6 + 0{,}4 * FC$		
Scale			
Rating by alphabetic system	Assessment Digital equivalent	Points (%content)	Based on 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) of the content of the training course

Weeks	Topic title (lectures, practical classes, Independent work of students)	Hours	Max score	
1	Practical lesson 1: Writing for science. Characteristics of good scientific writing.	1	10	Webinar in MS Teams (link in the Univer system)
2	Practical lesson 2: Scientific papers and their parts. Title, Abstract, Introduction, Materials and Methods section.	1	10	Webinar in MS Teams (link in the Univer system)

3	Practical lesson 3. Scientific papers and their parts. Results section, Discussion section, References, Conclusion. Writing a Title and Abstract, Introduction, Materials and Methods section.	1	10	Webinar in MS Teams (link in the Univer system)
	IWST1. Survey on SIW1: What is LATEX. Basic rule		20	Webinar in MS Teams (link in the Univer system)
4	Practical lesson 4. Different styles of writing.	1	10	Webinar in MS Teams (link in the Univer system)
5	Practical lesson 5: Word Usage in Scientific Writing. Writing Results section, Discussion section, References, Conclusion.	1	10	Webinar in MS Teams (link in the Univer system)
	IWST2. protection of the SIW1: A set of formulas and a set of text on Latex Issuance of the task and consultation of the SIW 2 «Symbol table»		30	Webinar in MS Teams (link in the Univer system)
	The Intermediate Control 1 (IC1)		**100**	
6	Practical lesson 6: Writing essays.	1	10	Webinar in MS Teams (link in the Univer system)
7	Practical lesson 7: Presenting numerical data. Writing lab report, annotated bibliography, literature review.	1	10	Webinar in MS Teams (link in the Univer system)
	IWST3Survey on SIW2:Set of graphicson Latex		20	Webinar in MS Teams (link in the Univer system)
8	Practical lesson 8.Writing up resume or CV. Preparing for an interview	1	10	Webinar in MS Teams (link in the Univer system)
9	Practical lesson 9: Writing reports. Writing resume.	1	10	Webinar in MS Teams (link in the Univer system)
	IWST4.protection of thein view of the reportSIW2: **«**Symbol table» Issuance of the task SIW 3 «Article template. Recovery from Errors »		30	Webinar in MS Teams (link in the Univer system)
10	Practical lesson 10: Planning and conducting a research project. Presenting your major research area.	1	10	Webinar in MS Teams (link in the Univer system)
	Midterm. The Intermediate Control 2 MT(IC2)		**100**	
11	Practical lesson 11: Describing an experiment	1	10	Webinar in MS Teams (link in the Univer system)
	IWST5. Consultation andVerification work on SIW3: Article template. Recovery from Errors			Webinar in MS Teams (link in the Univer system)
12	Practical lesson 12: The Scientific Manuscript I	1	10	Webinar in MS Teams (link in the Univer system)
13	Practical lesson 13: The Scientific Manuscript II. Writing a scientific manuscript for publication. Writing a scientific manuscript for publication	1	10	Webinar in MS Teams (link in the Univer system)
	IWST6. Colloquium and survey on SIW3: Article template. Recovery from Errors		20	Webinar in MS Teams (link in the Univer system)
14	Practical lesson 14: How to conduct literature reviews. Writing an effective discussion.	1	10	Webinar in MS Teams (link in the Univer system)
15	Practical lesson 15: The reason we publish. Critical Writing. Presenting research at a audience	1	10	Webinar in MS Teams (link in the Univer system)

	IWST7.Protection: Design of the text as a whole on Latex		30	Webinar in MS Teams (link in the Univer system)
	The Intermediate Control 3 (IC3)		**100**	
	Final Exam (FE)		**100**	
	Total(IC1+MT(IC2)+IC3)/3*0,6+(FE*0,4)		**100**	

List of abbreviations: LW – laboratory work; TW – testing work; IWST - Independent work of a student under the guidance of a teacher, RK-Border control, RK1 - first border control, MT- midterm, RK2 – second border control, FC – final control

Note:

- Lecture form: video lecture uploaded to MS Teams (presentation of videomaterials)
- Form of conducting laboratory classes: Each student has his own version of the task. webinar in MS Teams (assignmentconsultation)
- Form of conducting PR: In the system "Univer" tasks are loaded for students, upon completion (after 1 hour) students attach a file with answers to the system "Univer", the Distance coursestab.
- All course materials are uploaded to theUMKD.
- After each deadline, tasks of the next weekopen.
- Tasks for PR the teacher puts the Distance courses tab in the "Univer"system.

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