SYLLABUS Fall semester 2024-2024 academic year Educational program 6B10103 GM "Patient and society"

ID	Independent work		Number of credits			General Independent work	
and name of course	of the student (IWS)	t	Lectures (L)	Practical classes (PC)	Lab. classes (LC)	number of credits	of the student under the guidance of a teacher (IWST)
	The number o	f SSW is 4					The number of IWST is 6.
	A	CADEMIC	INFORMA	TION ABOU	T THE CO	URSE	
Learning	Cycle,	Lecture		Types		Form and p	latform final control
Format	component	types		of practical	classes	Total Control	
Choose Online		n	10			The written	task in Moodle
Lecturer - (s)	Farida Iskakov	va				1	
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Assistant - (s)							
e-mail:						 -	
Phone:		ACAT	NEMIC COL	IIDGE BDEGI	NITATION		
		ACAL	DEMIC COU	URSE PRESE	INTATION		
Purpose Expected Learning Outcome of the course is to form knowledge			omes (LO)*		Indicators of LO achievement (ID)		
of the basics of epidemiology, evidence-based	1.1 Knows base principles, types, ar methods of epidemiology. 2. Possess knowledge of the basics of Evidence-Based Medicine for critically evaluating scientific and medical information. 2. Possess knowledge of the basics of Evidence-Based Medicine for critically evaluating scientific and medical information. 2.1 Formulates a research questic using the PICO, PICOT structure. 2.2 Show the skills to search for scientific publications in the evidence based PubMed/Medline, Cochrar Library, Embase, etc. 2.3 Explain the ethical issue surrounding social science and medic research with human participants. 3. Determine appropriate research design and methods given specific research objectives. 3.1 Explain and choose differences research designs. 3.2 Can work in IBM SPSS program			pidemiology.			
medicine, and biostatistics, skills, and abilities to plan and conduct scientific research on public health				the skills to search for blications in the evidence-Med/Medline, Cochrane base, etc. in the ethical issues social science and medical			
				n and choose different igns. kk in IBM SPSS program measures of Disease using Descriptive and			
				4.1 Write a r including the background, for conductin 4.2 Creates a 4.3 Download program	esearch proposal, e problem statement, hypotheses, and methods ing the proposed research. a questionnaire. ids and studies IBM SPSS		
	in this course.		writes a literature review on the problem. 5.3 Conducts research (creation of a questionnaire, collection). 5.4. Creates a database and performs statistical processing of the results. 5.5 Draws up the results of the study (thesis).				

Prerequisites	
Postrequisites	
Learning Resources	Literature: main, additional. 1. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 2013. 2. High-Yield Biostatistics, Epidemiology, & Public Health, 4th Edition, Kaplan USMLE, Lecture Notes, Behavioral Sciences and Social Science, 2017229p. 3. Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. 4. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. 5. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. 6. Evidence-Based Medicine. How to Practice and Teach EBM (3rd Edition). S.E. Straus, W.S. Richardson, Paul Glasziou, R. Brian Haynes. 7. Literature Reviews in Social Work. Robin Kiteley and Christine Stogdon - 201420 p. Additional literature 8. Evidence-Based Answers to Clinical Questions for Busy Clinicians Workbook - 2009 26p. 9. Appraisal of Guidelines for Research & Evaluation II. The AGREE Next Steps Consortium May 2009 52 p.
	Research infrastructure 1. Computer class. Professional scientific databases 1. Microsoft Excell Manual// chrome-extension://adminfinance.umw.edu/tess/files/2013/06/Excel-Manual1.pdf 2. SPSS Survival Manual 6th edition. Julie Pallant – 2016 Internet resources 1. Kaznu Library 2. MOOC / video lectures, etc. 3. www.who.org 4. www.cdc.gov 5. https://pubmed.ncbi.nlm.nih.gov/ Software (optionally) 1. IBM SPSS – 26 version 2. Excel program

Academic	The academic policy of the course is determined by					
course policy	Documents are available on the main page of IS Univer.					
	Integration of science and education. The research work of students, undergraduates, and doctoral students					
	is a deepening of the educational process. It is organized directly at the university's departments,					
	laboratories, scientific and design departments, in student scientific and technical associations. Independent					
	work of students at all levels of education is aimed at developing research skills and competencies based on					
	obtaining new knowledge using modern research and information technologies. A research university					
	teacher integrates the results of scientific activities into the topics of lectures and seminars (practical) classes,					
	laboratory classes, and the tasks of the SSWT and SSW, which are reflected in the syllabus and are					
	responsible for the relevance of the topics of training sessions and assignments.					
	Attendance. The deadline for each task is indicated in the calendar (schedule) for the implementation of the					
	content of the course—failure to meet deadlines results in loss of points.					
	Academic honesty. Practical/laboratory classes, SSW, develop the student's independence, critical					
	thinking, and creativity. Plagiarism, forgery, cheat sheets, and cheating at all stages of completing tasks are					
	unacceptable.					
	Compliance with academic honesty during the period of theoretical training and at exams, in addition to the					
	main policies, is regulated by "Regulations on checking students' text documents for borrowings".					
	Documents are available on the main page of IS Univer.					
	Basic principles of inclusive education. The university's educational environment is conceived as a safe					
	place where there is always support and equal attitude from the teacher to all students and students to each					
	other, regardless of gender, race/ethnicity, religious beliefs, socio-economic status, physical health of the					
	student, etc. All people need the support and friendship of peers and fellow students. For all students,					
	progress is more about what they can do than what they can't. Diversity enhances all aspects of life.					
	All students, especially those with disabilities, can receive counseling assistance by phone at					
	+7701101308/or e- mail iskakova.farida@kaznu.kz_or whats up via video link in MS Teams enter a					

permanent link to the meeting.

Integration MOOC (massive open online course). In the case of integrating MOOC into the course, all students need to register for MOOC. The deadlines for passing MOOC modules must be strictly observed in accordance with the course study schedule.

ATTENTION! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the course, as well as in the MOOC. Failure to meet deadlines results in loss of points.

				ING, LEARNING AND ASSESSME	.,_		
Score-rating letter system of assessment of accounting for educational achievements			f accounting for educational	Assessment Methods			
Grade	Digital equivalent points	points, % content	Assessment according to the traditional system	Criteria-based assessment is the process of correlating actual learning outcomes with expected learning outcomes based on clearly defined criteria. Based on formative and summative assessment.			
A	4.0 _	95-100	Great	Formative assessment is a type of assessment daily learning activities. It is the current m			
A-	3.67	90-94		operational relationship between the student and the teacher. It allows you to determine the capabilities of the student, identify difficulties, help achieve the			
B+	3.33	85-89	Fine	best results, timely correct the educational performance of tasks, the activity of work is seminars, practical exercises (discussions, laboratory work, etc.) are evaluated. Acquired assessed. Summative assessment - type of assessment completion of the study of the section in acc course. Conducted 3-4 times per semester whassessment of mastering the expected learn descriptors. Allows you to determine and fix the a certain period. Learning outcomes are evaluated.	I process for the teacher. The n the classroom during lectures, quizzes, debates, round tables, knowledge and competencies are ent, which is carried out upon ordance with the program of the hen performing IWS. This is the ing outcomes in relation to the e level of mastering the course for		
В	3.0	80-84		Formative and summative assessment 1. Activity in discussions of topic in classes 2. Work in practical classes 3. Independent work 4. Design and creative activity 5. Final control (exam)	Points % content 1. 10 2. 10 3. 10 4. 30 5. 40		
B-	2.67	75-79		Activity in discussions of topic in classes	10		
C+	2.33	70-74		Work in practical classes	10		
C	2.0	65-69	Satisfactorily	Independent work	10		
C-	1.67	60-64	7	Design and creative activity	30		
D+	1.33	55-59	Unsatisfactory	Final control (exam)	40		
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Calendar (schedule) for the implementation of the content of the course. Methods of teaching and learning.

P	MODULE 1 INTRODUCTION TO EPIDEMIOLOGY AND EVIDENCE-BASED MEDIC	of hours	ball			
P						
P						
	PC 1. Introduction to Epidemiology.		5			
	PC 2. Epidemiological Study Design.		5			
	WST 1. Control work, test, individual / group project, essay, situational task, testing, portfolio,					
	etc. at the teacher's choice. Estimated 25-30 % of the total points for foreign control.					
	Consultations on the implementation of IWS 1					
	ATTENTION. Number of IWST (6-7), IWS (2-5) for 15 weeks.					
	PC 3. Epidemiology of communicable and non-communicable diseases.		5			
	WS 1 . Choose one health problem and describe using epidemiological questions What? Where?		15			
	When? Who? Why? and How?					
<u> P</u>	PC 4. 5 stages of Evidence-Based Medicine. Search and critical analysis of published research.		5			
	PC 5. Systematic review and meta-analysis. Evaluation of clinical protocols and		5			
re	recommendations. GRADE.					
	MODULE 2 INTRODUCTION TO BIOSTATISTICS					
P	PC.6. Research proposal. Create and share the questionnaire.		5			
Γ	IWST 2. Colloquium (situational task). Consultations on the implementation of IWS 2					
P	PC 7. Measurement in Epidemiology. Frequencies, rates, ratio.		5			
Γ	IWS 2. Organization of scientific research		15			
Midterm control 1 (tests)						
P	PC 8. Summarizing data: Properties and methods of Frequency Distributions. Measures of		5			
	Central Location and spread.					
Γ	IWST 3. Consultations on the implementation of IWS 3					
P	PC 9. Types of statistical hypotheses. Hypothesis testing. P-value. Standard error and		5			
	confidence interval.		İ			
Γ	WS3. Create of database in Excel and SPSS.		15			

PC 10. Biostatistics: Descriptive statistics. Databases (Excel, SPSS).	5	
IWST 4. Consultation on the implementation of IWS 4		
MODULE 3 CONSTRUCTION OF A RESEARCH PROPOSAL		
PC 11. Introduction to analytical statistics. Methods for the analysis of qualitative variables,	5	
independent and related samples (Chi-square test. Fisher's exact test, McNemar's test).		
IWST 5. Consultation on the implementation of IWS 4		
PC 12. Parametric Tests (T-tests, ANOVA).	5	
With RO 3.		
PC 13. Non-parametric Tests (Mann-Whitney U-test, Wilcoxon U-test, Kruskal-Wallis Test,	5	
Friedman Test.		
IWS4. Overview of research results	15	
PC 14. Correlation (Pearson and Spearman) and regression. Survival analysis Log-rank test.	5	
PC 15. Presentation of scientific projects.	5	
IWST 6. Consultation on final exam		
Midterm control 2 (tests)	100	
Final control (exam)		
TOTAL for course	100	

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Head of Department	Ualliyeva A.E.
Lecturer	Iskakova F.A.