## SYLLABUS Fall semester 2025-2026 academic year Educational program 6B10113 Dentistry "Patient and society"

ID	Independent work		Number of credits			General Independent work		
and name	of the student	t	Lectures	Practical	Lab.	number	of the student	
of course	(IWS)		( <b>L</b> )	classes	classes	of credits	under the guidance	
				(PC)	(LC)		of a teacher (IWST)	
	The number of	f SSW is 4					The number of	
							IWST is 6.	
	A	CADEMIC	INFORMA	TION ABOU	JT THE CO	URSE		
Learning	Cycle,	Lecture		Types	_	Form and p	latform final control	
Format	component types		of practical classes		The written task in Moodle			
Choose Online	no							
Lecturer - (s)	Farida Iskakov	va				-		
e-mail :		iskakovaf@gmail.com						
Phone:	+7-701-101-30	086				]		
Assistant - (s)						-		
e-mail:						1		
Phone:		ACAT	EMIC COI	IDSE DDESI	ENITATION			
		ACAI	PENIIC COL	URSE PRESI	MIAIION			
Purpose	E	Expected Lea	arning Outc	omes (LO)*		Indicators	of LO achievement (ID)	
of the course is to								
form knowledge	4.5					4 4 77		
of the basics of	1. Demonstrat evidence-base		of epidemic	ology, biostatis	stics, and		base principles, types, and	
epidemiology,	evidence-base	d illedicille.					epidemiology. tatistical methods.	
evidence-based	2. Possess kno	wledge of th	ne basics of F	Evidence-Base	d		ates a research question	
medicine, and	Medicine for o						CO, PICOT structure.	
biostatistics,	information.	•	Ü				the skills to search for	
skills, and							blications in the evidence-	
abilities to plan							Med/Medline, Cochrane	
and conduct	Library, Embase, etc.							
scientific research		2.3 Explain the ethical issues surrounding social science and medical						
on public health							h human participants.	
	3. Determine a	appropriate r	esearch desig	gn and method	ls given		n and choose different	
	specific resear	ch objective	S.			research designs.		
						3.2. Can work in the IBM SPSS		
						program 3.3 Can	n measures of Disease	
							measures of Disease using Descriptive and	
						Inferential S		
	4. Be able to plan and write a research proposal.  4.1 Write a research proposal,		esearch proposal,					
							e problem statement,	
							hypotheses, and methods	
							ng the proposed research.	
	4.2 Creates a questionnaire. 4.3 Downloads and studies the IBM							
	4.3 Downloads and studies the IBM SPSS program							
			for publications and					
			writes a liter	writes a literature review on the				
		problem.		1 / 2				
							s research (creation of a	
							e, collection). a database and performs	
							ocessing of the results.	
							o the results of the study	
						(thesis).	•	

Prerequisites					
Post requisites					
Learning	Literature: main, additional.				
Resources	<ol> <li>Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 2013.</li> <li>High-Yield Biostatistics, Epidemiology, &amp; Public Health, 4th Edition, Kaplan USMLE, Lecture Notes, Behavioral Sciences and Social Science, 2017229p.</li> <li>Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p.</li> <li>Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph.D., 2009, 297p.</li> <li>Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley &amp; Sons, 2013 - Medical - 120 p.</li> <li>Evidence-Based Medicine. How to Practice and Teach EBM (3rd Edition). S.E. Straus, W.S. Richardson, Paul Glasziou, R. Brian Haynes.</li> <li>Literature Reviews in Social Work. Robin Kiteley and Christine Stogdon - 201420 p. Additional literature</li> <li>Evidence-Based Answers to Clinical Questions for Busy Clinicians Workbook - 2009 26p.</li> <li>Appraisal of Guidelines for Research &amp; Evaluation II. The AGREE Next Steps Consortium May 2009</li> </ol>				
	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 course policy

The academic policy of the course is determined by

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.

INFORMATION ABOUT TEACHING, LEARNING AND ASSESSMENT						
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 co with expected learning outcomes based on c formative and summative assessment.		
A	4.0 _	95-100	Great	<b>Formative assessment is</b> a type of assessment daily learning activities. It is the current m		
A-	3.67	90-94		operational relationship between the student determine the capabilities of the student, iden	and the teacher. It allows you to	
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 assessm completion of the study of the section in accourse. Conducted 3-4 times per semester wassessment of mastering the expected learn descriptors. Allows you to determine and fix the a certain period. Learning outcomes are evaluated.	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	7	Work in practical classes	10	
C	2.0	65-69	Satisfactorily	Independent work	10	
C-	1.67	60-64		Design and creative activity	30	
D+	1.33	55-59	Unsatisfactory	Final control (exam)	40	
D	1.0	50-54	-	TOTAL	100	

## Calendar (schedule) for the implementation of the content of the course. Methods of teaching and learning.

A week	Topic name		Max.
	MODULE 1 INTRODUCTION TO EPIDEMIOLOGY AND EVIDENCE-BASED MED	of hours	ball
		ICINE	
	PC 1. Introduction to Epidemiology.		6
	PC 2. Epidemiological Study Design.		6
	<b>IWST 1.</b> Control work, test, individual/group project, essay, situational task, testing, portfolio,		
	etc., at the teacher's choice. An estimated 25-30 % of the total points for foreign control.		
	Consultations on the implementation of <b>IWS 1</b>		
	PC 3. Epidemiology of communicable and non-communicable diseases.		6
	<b>IWS 1</b> . Choose one health problem and describe it using epidemiological questions: What?		25
	Where? When? Who? Why? and How?		
	PC 4. 5 stages of Evidence-Based Medicine. Search and critical analysis of published research.		6
	PC 5. Systematic review and meta-analysis. Evaluation of clinical protocols and		6
	recommendations. GRADE.		
	<b>MODULE 2</b> INTRODUCTION TO BIOSTATISTICS		
	PC.6. Research proposal. Create and share the questionnaire.		
	IWST 2. Colloquium (situational task). Consultations on the implementation of		
	IWS 2		
	PC 7. Measurement in Epidemiology. Frequencies, rates, ratio.		7
	IWS 2. Organization of scientific research		25
	PC 8. Summarizing data: Properties and methods of Frequency Distributions. Measures of		7
	Central Location and Spread.		
	IWST 3. Consultations on the implementation of IWS 3		
Midterm	control 1 (tests)	•	100
	PC 8. Summarizing data: Properties and methods of Frequency Distributions. Measures of		7
	Central Location and spread.		
	IWST 3. Consultations on the implementation of IWS 3		

	77	
PC 9. Types of statistical hypotheses. Hypothesis testing. P-value. Standard error and		
confidence interval.		
IWS3. Create of database in Excel and SPSS.	25	
PC 10. Biostatistics: Descriptive statistics. Databases (Excel, SPSS).	7	
IWST 4. Consultation on the implementation of IWS 4		
MODULE 3 CONSTRUCTION OF A RESEARCH PROPOSAL		
<b>PC 11.</b> Introduction to analytical statistics. Methods for the analysis of qualitative variables,	7	
independent and related samples (Chi-square test. Fisher's exact test, McNemar's test).		
<b>IWST 5.</b> Consultation on the implementation <b>of IWS 4</b>		
PC 12. Parametric Tests (T-tests, ANOVA).	7	
With RO 3.		
PC 13. Non-parametric Tests (Mann-Whitney U-test, Wilcoxon U-test, Kruskal-Wallis Test,	7	
Friedman Test.		
IWS4. Overview of research results	25	
PC 14. Correlation (Pearson and Spearman) and regression. Survival analysis Log-rank test.	7	
PC 15. Presentation of scientific projects.	8	
IWST 6. Consultation on final exam		
Midterm control 2 (tests)		
Final control (exam)	100	
TOTAL for course		

Dean	Kalmahanov S.B.
Head of Department	Ualliyeva A.E.
Lecturer	Iskakova F.A.