SYLLABUS Fall semester 2025-2026 academic year Educational program for the specialty Public Health "7M10102"

ID and title off	and title off Student Credits number		Total	Student				
the course	independer (SIW)		Lecture (L)	Classe s(C)	Labora tory classes (L)	number of credits	independent work under teacher supervision (SIWT)	
ME	4		-	60	-	5	6	
		ACADE		RMATION A	ABOUT TH	IE		
Training format	Cycle, compon ent	Type of lo		Type of class	sses	Form and platform of final control		
offline	B, inform		native-	Seminars		Written in Univer		
Lecturer	Farida Iskal	kova						
e-mail:	Farida.iska	kova@kazr	ıu.edu.kz			1		
Mobile tel.:	+77011013	086						
Assistant	-							
e-mail:	-					-		
Tel.:	-	ACADEM	HC PRECE	VIEW TO NO.	E DIGGIDI			
D				NTATION O				
discipline				achievement(IA)				
to form knowledge, skills, and competencies	1. Acquaint students with concepts, methods, and techniques of Managerial Epidemiology.				1.1 Identify concepts of managerial epidemiology.1.2 Perform methods and			
focusing on the role and use of						techniques of managerial epidemiology.		
epidemiologic tools in Healthcare administration.		2. To study and provide a healthcare organization's					2.1 Provide management of research planning.	
	management, research planning, and quality assurance.					2.2 Provide a scenario of quality assurance of a healthcare organization.		
	3. To study and provide financing and economic analysis of a healthcare organization.					3.1 Create analysis organization	a scenario of financing of a healthcare on.	
						3.2 Create a scenario of economic analysis of a healthcare organization.		
	4. To analyze scientific research results.					results (de and clinica		
						4.2. Determines the statistical significance of relationships and differences for all types of variables by applying the appropriate statistical criterion.		
	5. to conduct main directions, laws, methods, algorithms, and tools of medical statistics in research analysis.				5.1 Present results in the form of graphs and tables.5.2. Write a report on the effectiveness of one of the existing screening programs in Kazakhstan.			
Prerequisites	Biostatistics [96313]							
Post-requisites			health resea	rch [101986]				
1 obt requisites	Fundamentals of public health research [101986]							

Learning sources

The Main Literature:

Managerial Epidemiology: Cases and Concepts, 4th Edition, by Steven T. Fleming Editor). - 632

//chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://lib.zu.edu.pk/ebookdata/ Epidemiology/Managerial%20epidemiology%20 %20cases%20and%20conceptsby%20Steven%20T.%20Fleming.pdf

The Additional Literature:

Применение методов статистического анализа для изучения общественного здоровбя и здравоохранения. Под редакцией В.З.Кучеренко. Учебное пособие для ВУЗОВ. Изд..группа Гэотар-Медиа.-2007.-245 с.

Research infrastructure

- 1. Computer lab 6A
- 2. Professional research databases
- 3. www.gapminder.com
- 4. www.cdc.gov
- 5. www.who.org

Internet sources

- http:elibrary.kaznu.kz/ru
- https://www.stat.gov.kz/

Software Excel **SPSS**

Academic policy of discipline

Academic Policy and Academic Integrity Policy are defined by Al-Farabi KazNU policy... The documents are available on the main page of IS Univer.

Integration of science and education. Research work by students, including master's and doctoral students, deepens the educational process. It is organized directly at the departments, laboratories, scientific and project divisions of the university, in student scientific and technical associations. Independent workof students at all levels of education is aimed at the development of research skills and competencies based on obtaining new knowledge using modern research and information technologies. The teacher of the research university integrates the results of scientific activity into the topics of lectures and seminars (practical) classes, laboratory classes, and in the assignments of SROP, SROP, 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 assignment is specified in the calendar (schedule) of the implementation of the discipline's content. Failure to meet deadlines will result in loss of points. All learners, especially those with disabilities, can receive counseling assistance by telephone / e-mail +77011013086/farida.iskakova@kaznu.edu. kz_or iskakovaf@gmail.com or by joining Zoom Meeting https://us04web.zoom.us/j/77801302391?pwd=c0I5647lwe4woqZ5EJPBCNJJ42masY.1 Meeting ID: 778 0130 2391 Passcode: 7ZaZwz

Integration of MEP (massive open online course). In the case of integration of MEP into the discipline, all students need to register for MEP. The deadlines for MEP modules must be strictly adhered to by the schedule of the discipline.

ATTENTION: The deadline for each assignment is specified in the calendar (schedule) of the implementation of the content of the discipline, as well as in the MEP. Failure to comply with deadlines leads to a loss of points.

			is to a loss of points.	
Point-rating letter system of evaluation of learning achievements			rning achievements	Assessment methods
Scores	Digital equivalent of points	Scores, % contentcoдер жание	Traditional scores	Criterion-referenced assessment is the process of correlating actual learning outcomes with expected learning outcomes based on clearly defined criteria. It is based on formative and
Scores	Digital equivalent of points	scores, % contentcoде ржание	Excellent	summative assessment. Formative assessment is a type of assessment that is carried out in the course of daily learning activities. It is a current indicator of learning achievement. Provides an operational relationship between the student and the
A	4,0	95–100		teacher. It enables us to assess the student's capabilities, identify
A-	3,67	90–94	Good	areas of difficulty, assist in achieving optimal results, and
B+	3,33	85–89		promptly correct the teacher's educational process. Evaluate the fulfillment of tasks and activities in the classroom during
В	3,0	80–84		lectures, seminars, and practical classes (discussions, quizzes,
В-	2,67	75–79		debates, round tables, laboratory work, etc.). Acquired knowledge and competencies are assessed. Summative assessment is a type of assessment conducted at the end of a section of study by the program of the discipline. It is carried out 3-4 times per semester when performing SLOs. It is an assessment of mastering the expected learning outcomes in correlation with descriptors. Enables you to assess and document the level of mastery of the discipline over a specific period.
C+	2.33	70–74	Satisfied	Formative and summative assessment Formative and summative

					assessment
С	2,0	65–69		Formative and summative assessment	-
C-	1,67	60–64		Activity in lectures	5
D+	1,33	55–59	Unsatisfied	Work at practical classes	20
D	1,0	50–54		Independent work	25
FX	0,5	25–49		Control work	10
				Project and creative activity	40
				TOTAL	100

	Schedule of the realization of the content of the discipline. Methods of teaching and	learning	
Week	Topic	N of	Max.
	NODALE I DE LA CALLE DE LA CAL	hours	scores
	MODULE 1 Fundamentals of Medical Statistics		1
1	Lecture. Introduction to managerial epidemiology	1	
	Cl Introduction to managerial epidemiology.	3	6
2	Lecture. Introduction to population health.	1	
	C. Population Health	3	6
3	Lecture. Infectious disease epidemiology.	1	
	Cl Infectious disease epidemiology.	3	6
	SIWT 1. Consultations on the implementation of SIW1	3,33	-
4	Lecture. Epidemiology of non-communicable diseases.	1	
	Cl. Epidemiology of non-communicable diseases.	3	6
	SIW1. "Writing Assignment on 1-4 topics".	10	25
5	Lecture. Morbidity as an indicator of population health.	1	
	Cl Measuring and interpreting morbidity.	3	6
	SIWT 2. Colloquium (Test).	3,33	-
6	Lecture. Mortality as an indicator of population health and risk adjustment.	1	
	Cl. 6. Mortality and risk adjustment.	3	6
	SIWT 3. Consultation on the implementation of the SIW 2.	3,33	10
7	Lecture. Healthcare planning and needs assessment.	1	
	Cl 7. Healthcare planning and needs assessment.	3	7
	SIW 2. "Writing Assignment on 5-7 topics"	10	25
8	Lecture. Quality of care measurement	1	
	Cl 8 Quality of care measurement	3	7
MT 1			100
8	Lecture. Quality of care measurement	1	
	Cl 8 Quality of care measurement	3	7
	SIWT 3. Consultation on the implementation of the SIW 3.	3,33	-
9	Lecture: 5 steps of EBM.	1	
	Cl. 9 Evidence-based management of Medicine.	3	7
10	Lecture. Epidemiologic studies: hierarchy, observational studies.	1	
	Cl 10. Epidemiologic studies. Case reports, case series, case-control studies, and cohort	3	7
	SIWT 4. Consultation on the implementation of the SIW 3.	3,33	_
11	Lecture. Clinical trials.	1	
	Cl 11. Randomized Clinical Trials, Confounding, Effect Modification, and Bias.	3	7
	SIW 3. Essay on 8,9,10,11 seminar's item.		
12	Lecture. Epidemiology and Financial Management.	1	
	Chapter 12. Epidemiology and Financial Management.	3	7
	SIWT 5. Consultation on the implementation of the SIW 4.	3,33	-
13	Lecture. Cost-effectiveness Analysis.	1	1
	Cl.13. Cost-effectiveness analysis.	3	7
14	Lecture 14. Clinical Epidemiology and Decision Making.	1	+ '-

	Cl. 14. Clinical Epidemiology and Decision Making.	3	7
	SIWT 6		
15	Lecture. Epidemiology and Leadership	1	
	Cl 15. Epidemiology and Leadership	3	8
	SIW 4 "Writing assignment of 11-15 topics".	10	25
MT2			100
	Final exam		100
	total		100

Dean	S.B. Kalmahanov
Head of department	A.E.Ualiyeva
Lecturer	Iskakova F.A.