SYLLABUS Fall semester 2022-2023 academic years on the educational program "6B10104-Dentistry"

Discipline's code	Discipline's title	Indepen		Niii	mber of credits		Numbe	Independen
_		dent work of students (IWS)	Lectu res (L)		etical training (PT)	Labora tory (Lab)	r of credits	t work of student with teacher (IWST)
PiO2217	Patient and Society	3	-		90	-	6	
	-	Academio						
Form of education	Type of course	Types	of lectur	es	Types of prac training		Form of f	inal control
Full-time	Applied		-		seminar			
Lecturer	Iskakova Farida						Exam:	
e-mail	Iskakova.farida@kaz	nu.kz					Stage 1: Writ	
Telephone number	+77011013086						group creative	e task.
Lecturer	Saktapov Akylbek							
e-mail	Saktapov.akylbek@k +77027403242	aznu.kz						
Telephone number								
Lecturer	Ualiyeva Aliya	1						
e-mail	Aliya.Ualieva@kazn	u.KZ						
Telephone number	+77074316857	n :						
Lecturer	Әбілқайыр Назерке		ВЫ.					
e-mail	abilkaiyr.nazerke@gr 87018880624	maii.com						
Telephone number	Kamhen Vitali Broni	1 .1						
Lecturer								
e-mail	Vitaliy.kamhen@kaz	nu.edu.kz						
Telephone number Aim of course	+77778249733 Expected Le						achievemen	
The aim of course is to form knowledge of the basics of epidemiology, evidence-based medicine and biostatistics, skills, and abilities to plan and conduct scientific research on public health	1. Apply knowledge epidemiology and mod the study of the inc population level.	lern epidemi	ological a	pproacl	t the and pers 1.2 Ca prevalen levels to 1.3 U epidemic relations with the population of the populatio	d place of conal char clculates ce value determinuses in cology to hip of expressions. The constant of the con	of occurrence acteristics of and interest and estimate an outbread nethods of determine acternal and interence of the acase of the acteristics of the acteristics acteristics.	prets disease mates disease k. f analytical the causal nternal factors diseases in pidemiological an infectious
	2. Use the acquired k studies, considering the evidence for results.				ways of out anti- in the fo 1.6 Use mechani commun preventi- 1.7. Has with value incidence ogical 2.1 Critiny of limitatio	transmister transm	ssion of infect and prevent fection. edge of the evelopment of diseases to res in population for the evelopment of the	tion groups. ters of patients monitor the

		diagnostic, etiological, prognostic, and therapeutic questions in clinical medicine. 2.2 Complies with ethical principles when conducting scientific research.
	3. Possess knowledge of the basics of Evidence-Based Medicine for critical evaluation of scientific and medical information for rational use in further scientific and practical activities.	3.1. Formulates a research question using the PICO, PICOT structure. 3.2. Has the skills to search for scientific publications in the evidence bases PubMed/Medline, Cochrane library, Embase, etc. 3.3. Conducts a selection of evidence-based scientific and medical information for writing a literature review on the research topic.
	4. Use knowledge of modern statistical methods and programs in scientific and clinical activities.	4.1. Distinguishes between types of variables, methods of description and statistical analysis depending on the types of variables and samples 4.2. Applies descriptive statistics measures according to variable types 4.3. Formulates statistical hypotheses 4.4. Determines the statistical significance of relationships and differences for all types of variables, applying the appropriate statistical test 4.5. Analyses the results of statistical processing 4.6. Formulates conclusions for presentation in abstracts, articles, reports
	5. Use the acquired knowledge, skills, and abilities while studying the discipline to conduct an independent scientific study of public health problems	5.1 Plans scientific research and organization (topic, choice of research methods, statistical methods) 5.2 Searches for publications and writes a literature review. 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. Presentation.
Prerequisites		
Post requisites		
Information resources **	Literature: Epidemiology 1. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders 2. Principles of Epidemiology in Public Health Practice, 3d Health, 2012. 3. High-Yield Biostatistics, Epidemiology, & Public Health Notes, Behavioral Sciences and Social Science, 2017229 4. Wolfgang, A. Handbook of Epidemiology. 5 vol.//Ahrer Reference, 2014. Additional literature 5. Water, Sanitation, & Environmentally related Hygiene//h water/hygiene/audience-healthprofessionals.html 6. Modern Epidemiology. 3rd Edition Keneth.J.Rothman, S p. Biostatistics 1. Fundamentals of Biostatistics. Seventh Edition. Rosner. 2. Primer of Biostatistics at a Glance Workbook. Front Cover. A Sons, 2013 - Medical - 120 p. 4. SPSS Survival Manual 6th edition. Julie Pallant – 2016	Hedition, CDC, US Department of Public h, 4th Edition, Kaplan USMLE, Lecture p. hs Wolfgang, Peugeot Iris 2 ed Springer https://www.cdc.gov/ healthy hander Greenland, Timothy L.Lash2008158 - 2016856 p. htz, Ph2009297p.

	5. Epi Info for windows// www.cdc.gov/epiinfo /pc.html					
	Evidence-Based Medicine					
	1. Evidence-Based Medicine. How to Practice and Teach EBM (3rd Edition). S.E. Straus, W.S.					
	Richardson, Paul Glasziou, R. Brian Haynes.					
	2. Literature Reviews in Social Work. Robin Kiteley and Christine Stogdon - 201420 p.					
	Additional literature					
	1. Evidence-Based Answers to Clinical Questions for Busy Clinicians Workbook - 2009 26p.					
	2. Appraisal of Guidelines for Research & Evaluation II. The AGREE Next Steps Consortium May					
	200952 p.					
	Internet resources:					
	1. http://elibrary.kaznu.kz/ru					
	2. www.who.org					
	2. www.cdc.gov					
	3. www.medscape.com					
	4. www.oxfordmedicine.com					
	5. www.uptodate.com					
	6. www.medline					
	7. www.cockrane.library					
	8. https://pubmed.ncbi.nlm.nih.gov/					
	9. http://www.gbd.org/					
Academic policy of	Academic Behaviour Rules:					
Academic policy of the course in the						
	Academic Behaviour Rules:					
the course in the	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the					
the course in the context of	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline.					
the course in the context of university moral	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses.					
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the course in the context of university moral and ethical values	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail ********@gmail.com.					
the course in the context of university moral and ethical values Evaluation and	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail *******@gmail.com. Criteria-based evaluation:					
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the course in the context of university moral and ethical values Evaluation and	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail ******@gmail.com. Criteria-based evaluation: assessment of learning outcomes in relation to descriptors (verification of the formation of competencies in midterm control and exams).					
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the course in the context of university moral and ethical values Evaluation and	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail *******@gmail.com. Criteria-based evaluation: 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. Final control on the discipline of 2 stages:					
the course in the context of university moral and ethical values Evaluation and	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail ******@gmail.com. Criteria-based evaluation: 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. Final control on the discipline of 2 stages: Stage 1 - MCQ for understanding and application of knowledge.					
the course in the context of university moral and ethical values Evaluation and	Academic Behaviour Rules: All students are required to register for the MOOC. The deadlines for completing the modules of the online course must be strictly observed in accordance with the schedule for studying the discipline. Leave in case of current MOOC or SPOC courses. ATTENTION! Failure to meet deadlines results in loss of points! The deadline for each task is indicated in the calendar (schedule) for the implementation of the content of the training course, as well as in the MOOC. Leave in case of current MOOC or SPOC courses. 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 counselling at e-mail *******@gmail.com. Criteria-based evaluation: 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. Final control on the discipline of 2 stages:					

CALENDAR (SCHEDULE) THE IMPLEMENTATION OF THE COURSE CONTENT:

week	Topic name	Number of hours	Max. score***
1	Sem 1. Introduction to Epidemiology	6	5
2	Sem 2. Epidemiological Methods and Study Design	6	5
	IWST 1. Preparation for IWS 1. Introduction to scientific research.		
3	Sem 3. Epidemiology of infectious diseases. Outbreak investigation.	6	6
4	Sem 4. Epidemiology of chronic noncommunicable diseases.	6	6
5	Sem 5. Fundamentals of Evidence-Based Medicine and 5 stages of Evidence-Based Medicine.	6	6
	Colloquium		20
6	Sem 6. Search and critical analysis of scientific medical publications.	6	6
	IWS 1. Definition of the research topic. Search, selection of publications and writing a literature review		40
7	Sem 7. Fundamentals of surveillance. Sanitary and epidemiological regime in medical and preventive organizations.	6	6
	Midterm 1		100
8	Sem 8. Introduction to Biostatistics. Types of variables. Types of distribution, descriptive statistics. Databases (Excel, SPSS).	6	5

9	Sem 9. Types of statistical hypotheses. Hypothesis testing. P-value. Standard	6	5
	error and confidence interval.		
	IWST 2. Preparation for IWS 2. Organization of scientific research.		
	IWS 2. Formation of the database and description of research methods.		30
10	Sem 10. Introduction to analytical statistics. Methods for the analysis of	6	5
	qualitative variables, independent and related samples (Chi-square test.		
	Fisher's exact test, McNemar's test).		
11	Sem 11. Parametric Tests (T-tests, ANOVA).	6	5
12	Sem 12. Non-parametric Tests (Mann-Whitney U-test, Wilcoxon U-test,	6	5
	Kruskal-Wallis Test, Friedman Test.		
13	Sem 13. Correlation (Pearson and Spearman) and regression. Survival analysis	6	5
	Log-rank test.		
	IWST 3. Preparation for the IWS 3. Discussion of the results and formulation		
	of the conclusions of the scientific project.		
14	Sem 14. Systematic review and meta-analysis. Evaluation of clinical protocols	6	5
	and recommendations. GRADE.		
	IWS 3. Discussion of the results and formulation of the conclusions of the		30
	scientific project.		
15	Sem 15. Presentation of scientific projects.	6	5
	IWST 4. Consultation on examination issues		
	Midterm 2		100

THEMATIC PLAN AND CONTENT OF PRACTICAL STUDIES

No	Topic	Content	Resources
	2	3	4
1	Introduction to Epidemiology	Basic concepts and areas of application. Theories of causality and probability. epidemiological triad. Factors related to the infectious agent, the environment, and the susceptible	1. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 2013, p. 20-54, 55-61, 61-78 2. Principles of Epidemiology in Public Health Practice, 3d Edition, CDC,
		individual. The concept of the epidemic process and ways of	US Department of Public Health, 2012. Lesson 1-4.
		transmission of infection. epidemiological approach.	3. High-Yield Biostatistics, Epidemiology, & Public Health, 4th Edition,
		Measuring disease prevalence rates. Calculation and	p.86-96
		interpretation of indicators of morbidity, prevalence, mortality	4. Kaplan USMLE, Lecture Notes, Behavioral Sciences and Social Science,
		of the population. Visual presentation of epidemiological data. Glossary. Mini presentation. CBL Case study.	2017, p.3-10 5. An Introduction to Epidemiology. Wolfgang Ahrens, Klaus Krickeberg,
		Glossary. With presentation. CBL Case study.	Iris Pigeot, p.3-20
			6. CDC-materials
			https://www.cdc.gov/csels/dsepd/ss1978/lesson5/section2.html
2	Epidemiological Methods and	Epidemiological methods: descriptive, analytical, and	1. Kaplan USMLE, Lecture Notes, Behavioral Sciences and Social Science,
	Study Design	experimental. Case reports (clinical cases), case series (series	2017, p.11-14, 17-24
		of cases); ecological, cross-sectional studies, case-control,	2. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company,
		cohort study. Randomized and non-randomized clinical trials.	2013, p.197-232, p.158-194, p.235-247, p.250-280, p.282-296, 346-367
		Measures, bias, and confounders. Advantages and limitations of epidemiological methods. Diagnostic and screening tests.	3. An Introduction to Epidemiology. Wolfgang Ahrens, Klaus Krickeberg, Iris Pigeot, p. 29-35
		sensitivity and specificity. Likelihood ratio. Predictive value	4. High-Yield Biostatistics, Epidemiology, & Public Health, 4th Edition,
		(negative and positive). The use of epidemiological methods in	p.57-71, 82-92
		clinical medicine. Glossary. Mini presentation. CBL - Case	5. Wolfgang, A. Handbook of Epidemiology. 5 vol.//Ahrens Wolfgang,
		study.	Peugeot Iris 2 ed Springer Reference, 2014, p.187-388
3	Epidemiology of infectious	Epidemiology of infectious diseases. Occurrence, mechanism,	1. High-Yield Biostatistics, Epidemiology, & Public Health, 4th Edition,
	diseases. Outbreak	and ways of transmission of infectious diseases.	p.96-100
	investigation.	Epidemiological classification of infectious diseases. Standard case definition: presumptive, probable, and confirmed cases.	2. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 2013, p. 54-56, p.328-335
		Outbreak investigation. Stages of investigation. Anti-epidemic	3. Wolfgang, A. Handbook of Epidemiology. 5 vol.//Ahrens Wolfgang,
		and preventive measures in the focus of infection. Glossary.	Peugeot Iris 2 ed Springer Reference, 2014, v.5
		Mini presentation. CBL - case study.	4. Cancer Epidemiology: Principles and Methods. Isabel dos Santos Silva.
			WHO1999437 p.
			5.Communicable disease control in emergencies. A field manual. Edited by
			M.A. Connolly.2005194 p.

4	Epidemiology of chronic noncommunicable diseases.	Epidemiology of chronic non-communicable diseases: cardiovascular, oncological diseases, COPD, diabetes. Causes and conditions for the occurrence and spread of HND. Measurement of risks, prevalence rates, outcomes and treatment effectiveness. Epidemiology of dental diseases. Glossary. Mini presentation. CBL. case study.	 High-Yield Biostatistics, Epidemiology, & Public Health, 4th Edition Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 418 p. Wolfgang, A. Handbook of Epidemiology. 5 vol.//Ahrens Wolfgang, Peugeot Iris 2 ed Springer Reference, 2014, \
5	Fundamentals of Evidence-Based Medicine and 5 stages of Evidence-Based Medicine.	Principles of Evidence-Based Medicine. The history of the development of Evidence-Based Medicine. World development experience. The value of Evidence-Based Medicine for clinical practice. 5 stages of evidence-based medicine. Formulation and transformation of a clinical problem into a question using the PICOT principle. Finding and identifying the best evidence to answer. Evaluation of the quality and reliability of evidence. Implementation of the results of a critical assessment in clinical practice and evaluation of the results of the work done (audit). Glossary. Mini presentation. CBL Case study.	1. Fundamentals of Evidence-Based Medicine, K Prasad, 2013, 1-7 p, Chapter 2, 19-25 p 2. Essential Evidence-based medicine, D, Mayer, 2010, 9-18 p 3. Evidence-Based Answers to Clinical Questions for Busy Clinicians Workbook- 200926p. 4. Essentials of Evidence-based Clinical Practice. Second Edition2008349 p.
6	Search and critical analysis of scientific medical publications.	Select appropriate resources and search for evidence. Medline/PubMed, Cochrane Collaboration Data Base, Cochrane Library, EMBASE. Search strategy: keywords, logical operators (Boolean Operators), by phrases (Phrase Search), by author (Author Search), by journal title (Journal Search), subject headings (MeSH) Operations with search results.	1. Fundamentals of Evidence-Based Medicine, K Prasad, 2013, 27-31 p, 109-112 p 2. Essential Evidence-based medicine, D, Mayer, 2010, 367-377 p 3. Evidence-based medicine, Dermot P.B.McGovern et all, 2005, 62-76 p 4. How to read a paper. T. Greenhalgh2003240 p. 5. Evidence-Based Answers to Clinical Questions for Busy Clinicians Workbook 200926p.
7	Fundamentals of surveillance. Sanitary and epidemiological regime in medical and preventive organizations.	Fundamentals of surveillance. Population, sentinel, and syndromic surveillance. Registration of cases. Data collection system. Analysis, interpretation, and presentation of surveillance data. Sanitary and anti-epidemic regime in dental institutions. Glossary. Mini presentation. CBL Case study.	 Epi Info176 p. Gordis, Leon, Epidemiology, 5th Edition, W.B. Saunders Company, 2013, p.55-61, p.371-376 Principles of Epidemiology in Public Health Practice, 3d Edition, CDC, US Department of Public Health, 2012. Lesson 5. CAPABILITY 13: Public Health Surveillance and Epidemiological Investigation. Public Health Preparedness Capabilities:
8	Introduction to Biostatistics. Types of variables. Types of distribution, descriptive statistics. Databases (Excel, SPSS).	Types of variables. Types of distribution, descriptive statistics. Databases (Excel, SPSS).	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016

9	Types of statistical hypotheses. Hypothesis testing. P-value. Standard error and confidence interval.	Types of statistical hypotheses. Hypothesis testing. P-value. Standard error and confidence interval.	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016
10	Introduction to analytical statistics. Methods for the analysis of qualitative variables, independent and related samples (Chi-square test. Fisher's exact test, McNemar's test).	Methods for the analysis of qualitative variables, independent and related samples (Chi-square test. Fisher's exact test, McNemar's test).	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016
11	Parametric Tests (T-tests, ANOVA).	One-sample t-test, Two-sample t-test and Paired t-test., One-way ANOVA.	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016
12	Non-parametric Tests (Mann- Whitney U-test, Wilcoxon U- test, Kruskal-Wallis Test, Friedman Test.	Mann-Whitney U-test, Wilcoxon U-test, Kruskal-Wallis Test, Friedman Test.	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016
13	Correlation (Pearson and Spearman) and regression. Survival analysis Log-rank test.	Correlation. Pearson's correlation coefficient. Spearman's rank correlation coefficient. The sensitivity of the correlation coefficient. Survival curve.	 Fundamentals of Biostatistics. Seventh Edition. Rosner 2016856 p. Primer of Biostatistics. Seventh Edition. Stanton A. Glantz, Ph2009297p. Medical Statistics at a Glance Workbook. Front Cover. Aviva Petrie, Caroline Sabin. John Wiley & Sons, 2013 - Medical - 120 p. SPSS Survival Manual 6th edition. Julie Pallant - 2016
14	Systematic review and meta- analysis. Evaluation of clinical protocols and recommendations. GRADE.	Studies summarizing other studies: a systematic review and meta-analysis. Stages of creating a systematic review. Stages of meta-analysis. Options for presenting meta-analysis results in a systematic review. Search strategy for systematic reviews. Assessing the quality of systematic reviews using the AGREE system. Evaluation of clinical guidelines. Recommendation classes: I, II, II-a, II-b, III. Glossary. Mini presentation. CBL - case studies.	1. Literature Reviews in Social Work. Robin Kiteley and Christine Stogdon 201420 p. 2. APPRAISAL OF GUIDELINES FOR RESEARCH & EVALUATION II. The AGREE Next Steps Consortium May 200952 p.
15	Presentation of scientific	Planning and organization of scientific research. Definition of	1. Radaev V.V. How to organize and present a research project: 75 simple

projects.	the research topic, aim and objectives. Formulation of	rules M.: SU-HSE: INFRA-M, 2011 - 203 p.
	Hypothesis. Definition of research methods. Developing of a	2. Ospan E. Academic writing: the basics of writing a research paper.,
	questionnaire/patient card. Data collection. Enter data in the	Almaty, 2020231 p.
	SPSS database. Choosing statistical tests and data analysis.	
	Creating tables, formation of conclusions. Graphical	
	representation of data. Preparing a presentation.	

Score-rating assessment of a practical lesson for the integrated course "Patient and Society"

	№	Criteria	10	8	6	4	2
			Excellent	Above average	Acceptable	Correction needed	Unacceptable
	1	Understanding the subject matter	Understanding the topic and answering	Understanding the topic with some inaccuracies	Understanding the topic with inaccuracies in the	Incomplete understanding of the	Lack of understanding of the topic of the
	2	Answering questions in complete sentences, tests	questions in complete sentences. Ability to	in the answers. Standard thinking and	answers. Standard thinking, there are	topic, the tolerance of significant errors in the	lesson, no readiness to correct erroneous
	3	Ability to think clearly and rationally	think clearly and rationally. Achieving	reflections. Full achievement of the	erroneous thoughts. Assimilation of material	answers. Understanding mistakes and	judgments. Lack of understanding with
Criteria	4.	Achieving the goal of the lesson	the goal of the lesson. Good communication	main objectives of the lesson. Good	with unprincipled inaccuracies in the	willingness to correct them.	groupmates and lecturer.
Crit	5	Good communication with groupmates and the lecturer during TBL	with groupmates and the lecturer.	communication with groupmates the lecturer.	answers. Misunderstandings with groupmates and the lecturer are possible.	Misunderstandings with groupmates and the lecturer are possible.	
	6.	Understanding the erroneous judgments, willingness to correct.					

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