



Department «Social Medical Insurance and Public Health»
Discipline work program (Syllabus)
 Educational program «General medicine»


1. General information about the Course			
1.1	Course Code: PHPHE 2202-1	1.6	Academic year: 2021-2022
1.2	Course name: Public health and public health ethics	1.7	Year: 2
1.3	Prerequisites: molecular biology and medical genetics.	1.8	Term: IV
1.4	Postrequisites: clinical epidemiology, introduction to the clinic.	1.9	Number of credits (ECTS):5
1.5	Cycle: BD	1.10	Component: EC
2. Course description (maximum 150 words)			
<p>Public health is a complex characteristic of the physical, mental and social well-being of the population, reflecting the society's efforts to maintain a healthy lifestyle for the citizens, prevent diseases and injuries, and to prevent the influence of adverse environmental factors.</p> <p>Medical ethics (Latin ethics, from the Greek ethice - the study of morality, morality) - a set of ethical norms and principles of behavior of medical workers in the performance of their professional duties. He studies the history of ethics, the prerequisites for its development (concentration camps, rapid camp progress, rapid medical progress, organ transplantation, development of genetics, civil rights movement). And also the concept of bioethics as a relationship between a doctor and a patient.</p>			
3. Summative assessment form			
3.1	Testing +	3.5	Coursework
3.2	Writing	3.6	Essay
3.3	Oral	3.7	Project
3.4	OSPE / OSCE or Practical Skills Acceptance	3.8	Other (specify)
4. Discipline objectives			
<p>To determine the ethical aspects of specific public health interventions, strategies and policies, apply basic ethical principles in public health, (non-discriminatory approach to target populations and human resource management), investigate and analyze the interrelationship of major health and medical problems with other social spheres.</p>			
5. Learning outcomes (Course learning outcomes)			
CLO 1	knows the basics of ethics and legislation in the field of health care; knows the basics of organization, planning and management in public health; knows the rights and obligations of patients; knows the rights and obligations in the field of health care and guarantees of their provision.		
CLO 2	conducts cost-effectiveness analysis in the field of public health; uses quantitative research methods in solving public health problems; able to formulate problems of international cooperation in the field of health and develop methods for solving them; conducts research on the sanitary and epidemiological well-being of the population and public health protection.		

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CLO 3	formulates arguments for improving the healthcare management system;formulates arguments on the problems of international cooperation in the field of health and solves them; resolves conflict situations in compliance with ethical and legal norms.					
CLO 4	is able to present personal opinions, formalize them in the form of an abstract, presentation, project and present them at practical classes, meetings of the student circle, student scientific conferences, etc.;interprets the rules of the organization for international cooperation in the field of health, as well as the economic and legal framework for international cooperation in the field of health.					
CLO 5	has knowledge of the integration of the sanitary and epidemiological service of public health and medical legislation; effectively applies the principles of ethics of the relationship between the patient and the doctor, the patient and the patient, the doctor and the doctor, other medical professionals among themselves, while maintaining medical confidentiality					
5.1	Course learning outcomes	The learning outcomes of the EP, which are related to the learning outcomes of the course				
	CLO1 CLO2 CLO3	CLO6 Effectively communicates in medical practice, taking into account the peculiarities of the psychology of children and adults, multiculturalism, observing the principles of medical ethics and deontology				
	CLO4	CLO7 Is able to apply information technologies in healthcare, knows the principles of implementation of CSHI. Effectively uses information and information technologies in the field of medicine.				
	CLO5	CLO8 Applies scientific principles, methods and knowledge in medical practice and research. Capable of continuous self-education and development. Able to introduce new methods into clinical practice				
6.	Details of the course					
6.1	Location (building, auditorium): Location (building, auditorium): Al-Farabi, 3, academic building No. 2 of JSC UKMA, 5th floor, room 511-518 a. Phone: 408222 (ext. 121). www.ukma.kz					
6.2	Number of hours	Lectures	Prac. lessons	Lab.lessons	SIW	SIWT
		15	35	-	70	30
7.	Information about teachers					
№	Full name	Degrees and title	Email address	Scientific interests, etc..	Achievements	
1.	Bekzhanova Nazym Aidarovna	Senior teacher, master degree	nazym2009@mail.ru	Improvement of tuberculosis prevention measures among school-age children of South Kazakhstan region.	Has released 6 articles.	
2.	Magay Luybov Nikolaevna	Senior teacher, master degree	magai_luybov@mail.ru	Medical and social problems of the elderly.	Has released 15articles.	
3.	Kudyarova Saltanat	Senior teacher, master degree	salta.deva@mail.ru	Medical and social aspects of	Has released	

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	Abatovna			the organization of medical care to the elderly population (for example, South Kazakhstan region).	12 articles.	
8.	Thematic plan					
Week/Day	Topic name	Summary	Course learning outcomes	Number of hours	Forms / methods / learning technologies	Forms / assessment methods
1/1	Lecture. Legal basis of public health. Principles, types of medical care for the population.	Meaning of the public health. The legal bases for public health. Types of medical care in Kazakhstan.	CLO 1	1	Overview	
	Practical lesson. Medico-social aspects of demography. Calculation and analysis of demographic indicators. Integrated assessment of public health.	Demography and health and social aspects of demography. A principle of the calculation and analysis of demographic indicators. Comprehensive assessment of the population' health.	CLO	2	Training cases	Evaluation interview using the checklist
	SIWT.SIW. Possibilities for health assessment using databases and computerized information systems.	Databases and computerized health information systems.	CLO1	2/5	Presentation Report Intellectual Card	
2/2	Lecture. Organization of medical care for the urban and rural population.	The structure and organization of the work of the city polyclinic. The essence of the district principle of organizing polyclinic care for the population. The main indicators of the	CLO 1	1	Overview	

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		polyclinic.				
	Practical lesson. Morbidity of the population. Quantitative criteria for morbidity according to WHO (primary incidence rate, prevalence rate, incidence rate).	Incidence of the population. Classification of incidence of the population. Quantitative criteria of incidence according to WHO. Method of calculation of criteria of incidence (indicator of frequency of primary incidence, indicator of prevalence of the general incidence, prevalence indicator).	CLO2, CLO5	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Calculation and analysis of incidence rates. Disability.	Indicators of morbidity and disability. Calculation of indicators.	CLO1	2/5	Presentation Report Intellectual Card	
3/3	Lecture. Entrepreneurship in healthcare. Modernization of health care in Kazakhstan. Compulsory Social Medical Insurance (CSMI) implementation.	Types of entrepreneurship in health care. The main points of modernization of the health system. The advantages and disadvantages of implementing CSMI in the market health system.	CLO 3	1	Problematic	
	Practical lesson. The main types of medical care. Forms of provision. Health age-sex groups: children, adolescents, adults.	Types of medical care. Forms of providing medical care. The principle of distribution of children and teenagers on groups of health. The principle of distribution of adults on groups of health.	CLO1	3	Training cases	Evaluation interview using the checklist

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		Distinctive features of distribution of adults to 3 groups, and children and teenagers on 5 groups of health.				
	SIWT. SIW. Organization of treatment and preventive care for children.	Types of organizations that provide treatment and preventive care for children. Programs for improving children and adolescents.	CLO1	2/4	Presentation Report Intellectual Card	
4/4	Lecture. Ethics - concept, definition, purpose. The origins and reasons for the emergence of ethics. Theoretical base for ethics.	The principles of health ethics. Documents that regulated the activities of health professionals.	CLO2	1	Overview	
	Practical lesson. Health policy. Providing state and guaranteed medical services in accordance with changes in the implementation of CSMI. Coronavirus in the framework of CSHI and in the framework of GAFMC (guaranteed amount of free medical care)	Policy in the field of health care in RK. Ways of introduction of CSMI. CSMI – tasks and functions. Distribution of State Volume of Free Medical Care (SVFMC) taking into account introduction of CSMI.	CLO3	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Organization of obstetric and gynecological care.	Types of specialized care. Features of the organization of health facilities providing specialized medical care.	CLO 3	2/5	Presentation Report Intellectual Card	
5/5	Lecture. Humanistic specificity of medical science and practice.	The humanistic specificity of ethics. The basic concepts of moral and moral	CLO 4	1	Problematic	

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		responsibility to people.				
	Practical lesson. Management in public health.	Management in health care. Functions of management in health care. Marketing in health care. Leadership and ethical use of the power.	CLO2	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Organization of sometypes of specialized assistance.	Types of specialized care. Features of the organization of health facilities providing specialized medical care.	CLO2	2/5	Presentation Report Intellectual Card	
6/6	Lecture. Professional ethics - concept, definition, purpose. Ethics in research.	The main types and functions of power. The ethical relationships in the medical team. The ethical features of the use of power in a medical team.	CLO 1	1	Overview	
	Practical lesson. The concept of medical deontology. Oath of the doctor of Kazakhstan. Ethical code of the doctor of the Republic of Kazakhstan.	Medical deontology – definition, the basic principles. Hippocratic Oath and Oath of the doctor of RK. Ethical code of the doctor and worker of health care. Code of honor of health and pharmaceutical workers.	CLO5	3	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Health and market relations. Doctor as a civil servant. The patient as a passive "recipient" of distributed health care in the health care system.	Features of market relations in the healthcare system. Active and passive "recipients" of distributed care.	CLO2	2/4	Presentation Report Intellectual Card	
7/7	Lecture. Medical and ethical features of professional communication between	Stages of medical care. The relationship of doctors and patients by Robert	CLO 5	1	Overview	

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	doctors and patients at different stages of medical care.	Vitch. Other models of relationships between the patient, his relatives and the doctor.				
	Practical lesson. Regulation of medical activities. Law - the concept, definition, designation of the RK. Rights of the patient. Rights and duties of medical workers.	Law - the concept, definition, purpose. Patient's rights. Rights and duties of medical professionals.	CLO4	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. The patient is like a client. The doctor as a "seller" of medical services. The conflict between the patient's welfare and financial gain.	The problem of corruption in medical activities. Medical assistance and medical services. Commercialization of medical activity and its impact on the moral climate in medicine.	CLO5	2/5	Presentation Report Intellectual Card	
	Midterm control - 1.					
8/8	Lecture. Rules of confidentiality in the conditions of digitalization of modern medicine.	Unified health information system (UISR). Portal health e-gov.kz. The origins of the digitalization of modern medicine. Privacy issues and identity theft.	CLO 5	1	Overview	
	Practical lesson. Ethical aspects of the relationship of doctors with nurses and other professionals in health care facilities.	Code of Ethics Health Workers. Code of Honor Health Professionals. Communication group.	CLO2	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Analysis of the activities of health organizations.	Medico-social expert commission is an organization that	CLO1	2/5	Presentation Report	

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	<p>Organization of medical and labor expertise. Organization of the sanitary-epidemiological service.</p>	<p>carries out expert examination of long-term and permanent disability. The main functions of the MSEC are reduced to establishing a group of disability and determining its causes. The sanitary and epidemiological welfare of the population is understood as a state of public health and the environment of people, in which there is no dangerous and harmful influence of its factors on the human body and there are favorable conditions for its life. The sanitary and epidemiological welfare of the population is ensured by the "system of state and departmental sanitary and epidemiological surveillance".</p>			Intellectual Card	
9/9	<p>Lecture. Religious trends and medical bioethics: forms of interaction, positive and negative sides.</p>	<p>Features of interaction of various religious movements and medical bioethics.</p>	CLO 3	1	Problematic	

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	Practical lesson."Dramatic medicine" (history and ethics of medical practice). Court for nationalistic health workers. The Nuremberg Code.	Glaser G. Main excerpts from the book "dramatic medicine". History of the Nuremberg code. The essence, goals and objectives of the Nuremberg code. Find the relationship of the Nuremberg code and modern medical bioethics.	CLO5	3	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Quality control in health care: standardization, licensing and accreditation of medical activities.	The quality of care can be defined as the evaluation of medical activity in relation to the patient from 4 positions: 1) availability of medical care; 2) the safety of medical care; 3) optimality of medical care; 4) patient satisfaction. It was decided to allocate 3 components of the quality of care and, accordingly, three approaches to quality assurance and evaluation: - structural quality (structural approach); - quality of technology (procedural approach); - quality of the result (effective approach).	CLO4	2/4	Presentation Report Intellectual Card	
10/10	Lecture.Voluntary informed consent in research bioethics. The concept of competent and incompetent patient.	The concept of voluntary informed consent and its application in	CLO 2	1	Overview	

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		medical bioethics. Concepts competent and incompetent patient.				
	Practical lesson. The universality of the ethical norm and the uniqueness of moral choice.	Equity principle. The concept of the universality of the ethical norm. Moral choice and morality. The uniqueness of the moral choice in medicine.	CLO 3	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Patterns of attitude of doctors and patients according to R. Witch.	American bioethicist Robert Witch singles out four models of doctor-patient relationship, characteristic of modern culture: engineering, pastoral (paternalistic), collegial and contractual. From the point of view of Witch, these models are unequal in their moral meaning and represent a hierarchy from the least morally grounded engineering model to the most reasonable - contractual.	CLO1	2/5	Presentation Report Intellectual Card	
11/11	Lecture. Medical interventions in human reproduction: historical, social, moral, legal and religious context. Reproductive health. Reproductive choice. Reproductive right.	Types of medical interventions in the human reproductive system. Normative regulation in the field of reproductive rights, as well as the concept of "reproductive health"and"	CLO 4	1	Overview	

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		reproductive choice".				
	Practical lesson. Rule of truth. Truthfulness and incurable patients.	Competent and incompetent patients. Rule of truth and incurable patients.	CLO4	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Responsibility of doctors for violation of the principle of confidentiality. Acceptable privacy restrictions.	Types of responsibility. A list of cases where the provision of information constituting a medical secret is allowed without the consent of the citizen or his legal representative. It is possible: <ul style="list-style-type: none"> • for the purpose of examining and treating a citizen who is unable to express his will because of his condition; • at the threat of spread of infectious diseases, mass poisonings and lesions; • at the request of the bodies of inquiry and investigation, the prosecutor and the court in connection with the investigation or litigation; • In the case of assistance to a minor under the age of 15 (and to a minor, a drug addict, under the age of 	CLO3	2/5	Presentation Report Intellectual Card	

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		16), to inform his parents or legal representatives.				
12/1 2	Lecture. Contraception and sterilization in terms of medical bioethics and reproductive health effects.	The concepts of contraception and sterilization and their impact on reproductive health.	CLO 2	1	Overview	
	Practical lesson. The rule of proportionality in Transplantology. Bioethical and moral aspects of organ transplantation from living donors. Moral problems of organ harvesting from corpses. Types of organ harvesting from corpses and related moral and legal issues.	The rule of proportionality in Transplantology. Bioethical and moral aspects of organ transplantation from living donors and corpses. Types of organ harvesting from corpses. Medical criteria for the distribution of organs and tissues (histocompatibility, urgency, priority).	CLO5	3	Training cases	Evaluation interview using the checklist
	SIWT.SIW. The consultation and medical secret. The consultation in private practice. Consultation and risk of iatrogenic (polypragmasy).	Consilium (latin consilium - "meeting, discussion") - a meeting of several scientists of one or various specialties. The consultation may be necessary to establish the health status of the subject, the diagnosis, the definition of the prognosis, the tactics of further examination and treatment, the expediency of referral to specialized departments or other, profile, medical institution.	CLO4	2/4	Presentation Report Intellectual Card	
13/1	Lecture. Socially significant diseases	Socially significant diseases	CLO 1	1	Problematic	

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3	- methods of study and their role in biomedical research.	and their role in biomedical research. Methods of studying socially significant diseases.				
	Practical lesson. Confidentiality and communication with relatives of the patient.	Principle of confidentiality. Basic communication skills. Principle of patient-centered approach. Iatrogenic and the principle of confidentiality.	CLO4	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. Trends in commercialization in transplantology. Moral and legal restrictions on organ and tissue traffickingfortransplants.	Transplantation (from latin transplantare - "transplant") - replacement of damaged or missing tissues or organs withtheir own tissues or tissues and organs taken from another organism.	CLO1	2/5	Presentation Report Intellectual Card	
14/1 4	Lecture. Organ and tissue transplantation. Types of transplantation. Experiment in transplantation.	Types of organ and tissue transplantation. Experiments in transplantation.	CLO 5	1	Problematic	
	Practical lesson. Medical error and accident. Correlation of ethical and legal aspects. Attitude to colleague's error: ethical and legal aspects.	Classification of medical errors Ethical and legal aspects of medical error and accident. Responsibility of health workers.	CLO3	2	Training cases	Evaluation interview using the checklist
	SIWT. SIW. The problem of fair distribution of donor resources. Medical distribution criteria.	The principles of social justice and medical justification for the distribution of donor organs must meet the following criteria, which must be taken into account when choosing a recipient, when solving the	CLO4	2/5	Presentation Report Intellectual Card	

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		trulyHamlet problem "who should live and who should die": 1) the degree of compatibility of the donor-recipient pair; 2) emergency situation (priority of the recipient in a threatened state); 3) the length of time in the "waiting list".				
15/15	Lecture. International organizations and legal regulation in medical bioethics.	International organizations in the field of medical bioethics, as well as legal regulation in medical bioethics.	CLO 5	1	Overview	
	Practical lesson. The issue of iatrogenic in an ethical context. Adverse effects of medical activities.	Classification of iatrogenic. Ethical features of iatrogenic disease. Adverse outcomes in medicine.	CLO 5	3	Training cases	Evaluation interview using the checklist
	SIWT. SIW. The need for financial organizational independence in the work of medical teams diagnosing brain death, taking organs and performing transplantation.	Trends in commercialization in transplantology. Moral restrictions on trade in organs and tissues for transplants. Problems of incompetent donors, donors with a sharp restriction on freedom of choice (prisoners sentenced to death).	CLO5	2/4	Presentation Report Intellectual Card	
	Midterm control – 2.					
9.	Training and Teaching Methods					

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9.1	Lectures	Overview, problematic		
9.2	Practical lessons	Training cases		
9.3	SIW / SIWT	Presentation, report, intellectualcard		
9.4	Midterm examination	Testing		
10.	Evaluation criteria			
	Grade by letter system	Numeric equivalent of points	Percentage	Grade by 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	Satisfactorily
	C -	1,67	60-64	
	D+	1,33	55-59	
	D-	1,0	50-54	Unsatisfactory
	FX	0,5	25-49	
	F	0	0-24	
11.	Learning resources			
	Electronic resources, including, but not limited to: databases, animation simulators, professional blogs, websites, other electronic reference materials (for example: video, audio, digests)		adilet.zan.kz, the code etc.	
	Electronic text books		1. Norman G.R., Streiner D. Biostatistics: the bare essentials. - McMaster Univ., Hamilton, Ontario, Canada, 2010. - 260 p 2. Newman S.C. Biostatistical Methods in Epidemiology. - Wiley, 2012. - 388 p. 3. Petrie A., Sabin C. Medical Statistics at a Glance. - Wiley, 2006. - 168 p. 4. Pezzullo J. Biostatistics For Dummies. – Jonh Wiley & Sons, Inc. – 2013. – 375 p.	

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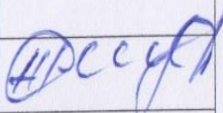

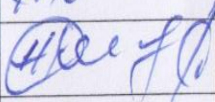

	5. Wassertheil-Smoller S. Biostatistics and epidemiology a primer for health and biomedical professionals. – Springer, 2015. – 445 p.
Journals (electronic journals)	http://lib.ukma.kz http://rmebrk.kz/ http://www.studmedlib/ru https://online.zakon.kz/Medicine https://zan.kz https://elibrary/ru/ http://www.booksmed.com http://apps.webofknowledge.com https://www.sciencedirect.com www.scopus.com https://www.ncbi.nlm.nih.gov/pubmed
Literature	1. Norman G.R., Streiner D. Biostatistics: the bare essentials. - McMaster Univ., Hamilton, Ontario, Canada, 2010. - 260 p 2. Newman S.C. Biostatistical Methods in Epidemiology. - Wiley, 2012. - 388 p. 3. Petrie A., Sabin C. Medical Statistics at a Glance. - Wiley, 2006. - 168 p. 4. Pezzullo J. Biostatistics For Dummies. – Jonh Wiley & Sons, Inc. – 2013. – 375 p. 5. Wassertheil-Smoller S. Biostatistics and epidemiology a primer for health and biomedical professionals. – Springer, 2015. – 445 p.
12.	Course policy
Requirements for students, attendance, behavior, grading policy, penalties, incentives, etc. 1. Active participation in the learning process. 2. In the absence of activity and failure to complete the task, penalties are applied and the score on the practical lesson is reduced. 3. Have an idea about the topic of the upcoming lecture, be ready for feedback at the lecture. 4. Be able to work in a team. 5. Active participation of students in research work and in the activities of the department to improve the educational and methodological process. 6. Observe safety precautions in the classroom. 7. Delivery of boundary control at the set time. 8. The boundary control of students ' knowledge is carried out at least twice during one academic period on the 6/12 day of theoretical training with the resolution of the results of boundary controls in the academic journal of academic performance and the electronic journal, taking into account penalty points. A student who does not show up for the border control without a valid reason is not allowed to take the exam in the discipline. The results of the boundary control are submitted to the dean's office in the form of a report until the end of the control day. 9. Delivery of the SRS at the set time according to the schedule, all written works are checked for plagiarism. 10. From the proposed tasks of the SRS, the student chooses one of the forms. 11. The rating of admission to the exam consists of the average score of practical classes, SRS, and boundary control. Example of calculating the admission rating: ORD (assessment of the renting of the admission) = 80 +90 +	

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95= 87 (80 - the average score for practical exercises; 90-the average score for boundary control; 95-the average score of the SRS).

12. A student who has not scored a passing score (50%) on one of the types of controls (current control, boundary control No. 1 and / or No. 2) is not allowed to take the exam in the discipline.

13.	Academic policy based on the moral and ethical values of the academy
	Academic policy. Pg. 4 Student Honor Code. https://base.ukgfa.kz/?page_id=251
	The policy of grading the discipline.

14.	Approval and revision		
Approval date	Protocol No. <u>9</u>	Full name of Head of the Department	Signature
	4.05.21	Sarsenbaeva G.ZH.	
Date of approval for the CEP	Protocol No. <u>8</u>	Full name of the Chairman of the CEP	Signature
	31.05.21	Dosybaeva G.N.	
Revision date	Protocol No. ___	Full name of Head of the Department	Signature
		Sarsenbaeva G.ZH.	
Revision date for CEP	Protocol No. ___	Full name of the Chairman of the CEP	Signature
		Dosybaeva G.N.	

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