

Catalog of elective disciplines

1. **Department: "Social health insurance and public health"**
2. **Level of training: Doctoral studies**
1. **Specialty: "Medicine"**
2. **Course: 2nd year, Semester-2**
3. **Name of elective discipline: Biostatistics (advanced course)**
4. **Number of credits – 5**

Purpose: Generation and development of knowledge among undergraduates about information technologies in general and in public health. Expand skills and competence in the application of modern information technologies and systems in the field of healthcare.

Tasks:

- Applies the regulatory framework and the Law of the Republic of Kazakhstan "On Information" in its professional activity, uses information and educational technologies;
- Applies the capabilities of modern information technologies to solve professional tasks;
- Freely uses various personal computer programs;
- Proves the possibilities of information and educational technologies, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks.

Justification of the choice of discipline: Problems of the introduction of ICT in medicine. Security of medical information. Formation of a database of medical data using MS Access. User interface. The concept of creating a unified health information system. The concept of information security of the Republic of Kazakhstan. The main directions and mechanisms of implementation of the State program

for the formation of "electronic government". Information technologies - concept, tasks, structure. Regulatory and legal framework. The Law of the Republic of Kazakhstan "On Information".

Learning outcomes (competencies):

1) Knowledge and understanding

Freely uses various personal computer programs;

- Proves the possibilities of information and educational technology, demonstrates to the audience the possibilities of modern information technologies for solving professional tasks;
- Proves to the audience the possibilities of modern information technologies for solving professional tasks

Demonstrates its high level of knowledge about the state of information security of the Republic of Kazakhstan;

- Shows organizational technique skills;
- Discusses and evaluates the concept of information security of the Republic of Kazakhstan, the concept of creating a unified health information system;
- Expounds and explains to undergraduates, teachers, examiners their own and additional knowledge about information technologies in the field of healthcare, is able to discuss and evaluate modern information and communication technologies in the field of public health development;
- Possesses and shows skills in organizational techniques.

The results of the training of the OP, with which the RO disciplines are associated

2) Application of knowledge and understanding - Applies the regulatory framework and the Law of the Republic of Kazakhstan "On Information" in its professional activity, uses information and educational technologies;

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- Applies the capabilities of modern information technologies to solve professional tasks;
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10. Prerequisites: Information technologies in public health.

11. Post-requirements: Statistical analysis in public health.

12. Literature:

Main:

1. Әлеуметтік зерттеу әдістері: Оқулық. 1-том. / ҚР Білім және ғылым министрлігі, ҚР жоғару оқу орындарының қауымдастығы. - Алматы: Полиграфкомбинат, 2014. -584 б. Брайман А.
2. Әлеуметтік зерттеу әдістері: Оқулық.2-том. / Ағыл. тіл. ауд. И.А. Баймұратова; ҚР Білім және ғылым министрлігі, ҚР жоғару оқу орындарының қауымдастығы. - 4-басылым - Алматы: ЖШС РПБК "Дәуір", 2016. – 456 б. Брайман А.
3. Әлеуметтік медицина және денсаулық сақтауды басқару:- Алматы: Кітап, 2011. –320 б. Д. А. Даулетбаев, А. Ш. Әлназарова, Б. А. Әлсейітов.