**Abstract**

**of the work program of the discipline**

***«Introduction to information technology.***

***Presentation and processing of medical information»***

Direction of training (specialty): 31.05.01 - ***General Medicine***

Level of higher education: ***specialist***

Graduate Qualification: ***General doctor***

Faculty: ***Medical***

Department: ***Biophysics, informatics and medical equipment***

Full-time form of education

1. **PURPOSE AND OBJECTIVES OF MASTERING THE EDUCATIONAL DISCIPLINE**

**Purpose:** to familiarize students with the theoretical and methodological foundations of modern information technologies and the formation of the ability to use modern information technologies to solve the professional tasks of a doctor in general hygiene, in epidemiology.

**Tasks:** form a systemic understanding of the possibilities and benefits of using modern information and digital technologies in the field of professional activity; − form the ability to use information technology to solve educational and applied problems; − to form the skills of working with software tools for the effective solution of educational and applied problems.

1. **PLANNED TRAINING OUTCOMES IN THE DISCIPLINE**

**Competences formed in the process of studying the discipline GEF 3++**

Competences formed in the process of studying the discipline: **UC-4** **ID-3**, **GPC-10** **ID-1**, **GPC-10 ID-4**.

|  |
| --- |
| **Code and name of the competence (or part thereof)** |
| **Code and name of the indicator of achievement of competence** |
| ***Universal competencies (UC)*** |
| **UC-4**. Able to use modern communication technologies, including in a foreign language(s), for academic and professional interaction. | **ID-3**. Uses modern information and communication tools and technologies. |
| **Know:** modern communication technologies, for academic and professional interaction.**Be able to:** use modern information and communication tools and technologies in professional activities.**Skill:** modern information and communication technologies for professional interaction. |
| **General professional competences (GPC)** |
| **GPC-10**. Able to understand the principles of operation of modern information technologies and use them to solve problems of professional activity. | **ID-1**. Understands the principles of operation of modern information technologies (interactive mode, integration, flexibility of change processes) |
| **ID-4**. Carries out an effective search and uses information resources for the implementation of professional activities. |
| **Know**: the principles of operation of modern information technologies and use them to solve the problems of professional activity, a general description of the processes of collecting, storing, processing and transmitting information in the field of professional activity; basic means and methods of ensuring information security when working with various sources of information.**Be able to**: carry out an effective search and use information resources for the implementation of professional activities, rationally choose and use information technologies for the effective solution of tasks; analyze and evaluate sources of information, information resources in solving research and practical problems; apply methods and means of information protection.**Own**: the principles of operation of modern information technologies (interactive mode, integration, flexibility of change processes), the main technologies for search for information in solving problem situations; technologies for collecting, storing and processing information, taking into account the basic requirements of information security. |

1. **THE PLACE OF DISCIPLINE IN THE STRUCTURE**

**OF THE EDUCATIONAL PROGRAM**

Discipline “***Introduction to information technologies. Representation and processing of medical information***” refers to the basic part ***Б1. O. 14. 01*** of the curriculum in the specialty ***31.05.01 General Medicine***. The previous ones, on which the discipline "***Informatics, Medical Informatics and Statistics***" is directly based, are the school course "***Informatics and ICT***".

1. **The total labor intensity of the discipline**

The total labor intensity of the discipline is ***4*** credit units, academic hours ***144***.

Lectures: ***32*** hours

Practical training: ***32*** hours

Independent work: ***44*** hours

Type of intermediate certification – ***exam***.

1. **The main sections of the discipline**

|  |  |
| --- | --- |
| ***Section number*** | ***Name of the discipline section*** |
| 1 | Fundamentals of information technology |
| 2 | Databases and computer networks |
| 3 | Information technologies for solving problems of professional activity |

1. **Form of intermediate certification**

***Exam***, semester ***2***

Intermediate certification procedure - the exam is conducted orally in the form of an interview on tickets.