Summary of the working program of the academic discipline

«INFORMATION TECHNOLOGY IN PHARMACY»

General Educational Program of higher education (specialist's degree programs) 33.05.01 Pharmacy

Department of Management and Economics of Pharmacy and Pharmaceutical Technology

1. **The purpose of mastering the discipline**
   - universal competences (UC-1.2, UC-1.3);
   - general professional competencies (GPC-6).

2. **Position of the academic discipline in the structure of the General Educational Program (GEP).**
   2.1. The discipline «information technology in pharmacy» refers to the corepart of Block 1 of GEP HE.
   Discipline index B1.O.8.
   The discipline is studied in the 5th semester of the 3rd year of study

3. **Deliverables of mastering the academic discipline and metrics of competence acquisition**
   Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies

№	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				know	be able to	possess
1.	UC-1.	Able to realize critical analysis of problem situations based on a systematic approach, develop strategy actions	UC-1.1. Analyzes the problem situation as a system identifying its components and connections between them	standard professional tasks	Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of	information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security

					information security	
2.	UC-1.	Able to realize critical analysis of problem situations based on a systematic approach, develop strategy actions	UC-1.3. Critically assesses reliability of information sources, works with conflicting information from different sources	standard professional tasks	Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security	information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security
3.	GPC-6.	Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity	GPC-6.1. Applies modern information technologies in the interaction with parties to the circulation of medicinal products taking into account the requirements of information security	standard professional tasks	Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of	information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security

					information n security	
4.	GPC-6.	Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity	GPC-6.2. Performs an effective search for information necessary to solve the tasks of professional activity using legal reference systems and professional pharmaceutical databases	standard profession al tasks	Use informatio n, bibliograp hic resources in biomedical and pharmaceu tical terminolog y, informatio n and communic ation technologi es and taking into account the basic requireme nts of informatio n security	information, bibliographic resources of biomedical and pharmaceutic al terminology, information and communicati on technologies and taking into account the basic requirements of information security
5.	GPC-6.	Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity	GPC-6.3. Uses specialized software for mathematical processing of observational and experimental data in solving problems of professional activity	standard profession al tasks	Use informatio n, bibliograp hic resources in biomedical and pharmaceu tical terminolog y, informatio n and communic ation technologi es and taking into account the basic requireme nts of	information, bibliographic resources of biomedical and pharmaceutic al terminology, information and communicati on technologies and taking into account the basic requirements of information security

| 6. | GPC-6. | Able to understand the principles of modern information technologies and use them to solve the tasks of professional activity | GPC-6.4. Applies automated information systems in the internal processes of the pharmaceutical organization, as well as for interactions with customers and suppliers | standard professional tasks | Use information, bibliographic resources in biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security | information, bibliographic resources of biomedical and pharmaceutical terminology, information and communication technologies and taking into account the basic requirements of information security |

4. Volume of the academic discipline and types of academic work

Total labor intensity of the discipline is _____ CU (___AH)

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	5th semester
Classroom work, including	1	36	36
Lectures (L)	0,2	6	6
Laboratory practicum (LP)*			
Practicals (P)	0,4	14	16
Seminars (S)			
Student's individual work (SIW)	0,4	14	14
Mid-termassessment			
credit		1	
TOTAL LABOR INTENSITY	1	36	36

5. Sections of the academic discipline and competencies that are formed

№	Competence code	Section name of the discipline
1.	UC-1	Information technology in pharmacy

2.	GPC-6	Information technology in pharmacy