Academic programme   **31.05.01 General Medicine**
component   **programme**

Б1.0.13
discipline code

ASSESSMENT MATERIALS

Discipline

Health Information Technology

Author:	Approved at the meeting of
Koroliova N.Yu.	the Informational Technologies
	Department
Associate Professor	record № 6 dated 01.02.2024
at the Informational Technologies	
Department,	Head of the department
Ph.D. in Pedagogy,	O.I. Lyash
Docent	

1. Criteria and assessment of competencies and their mastery indicators, formed by the discipline

Code and competence name	Code and indicator of competence mastery	Results of training in the discipline (module)			Formative assessment	Interim assessment
		To know	*To be able to*	*To have*		
УК -1: Can design action plans and apply systematic approach to critical analysis of problem situations	**ИД-1ук-1** Applies a systematic approach for searching and analytical activities to solve the set tasks	- theoretical foundations of collection, storage, transformation, dissemination of information in health information systems; - possibilities of using computer information systems in healthcare and public health service; - basics of searching for medical information on the Internet; - technologies for processing various types of information using appropriate application software.	- use educational, scientific, popular science literature, the Internet to address tasks within professional engagement; -use various application software for addressing professional tasks, in particular, text processors and spreadsheets, printed products and presentation graphics development tools.	- skills of using search engines, analysing and critically interpret information from the Internet; - skills of appropriate selection and application of modern information technology tools to address tasks within professional engagement.	- a set of tasks for laboratory classes; - tests;	Results of formative assessment Test
ОПК-10 Can fathom the principles of modern IT and apply them to fulfil professional tasks	**ОПК-10.1.** Knows possibilities and principles of modern information technologies and uses them to address tasks within professional engagement					

2. Competencies mastery (indicators of their mastery) level assessment

Competencies mastery (their indicators) indices	Criteria and grading system of competencies mastery (indicators of their mastery) assessment			
	Insufficient («unsatisfactory»)	**Sufficient** («satisfactory»)	**Above average** («good»)	**Advance** («excellent»)
Extent of knowledge	Knowledge level is below the required. Major mistakes occurred.	Minimally allowed knowledge level. Minor mistakes occurred.	Knowledge level corresponds well to the educational programme. Minor errors occurred.	Knowledge level corresponds well to the educational programme.
Ability mastery	Basic abilities were not demonstrated during standard tasks completion. Major mistakes occurred.	Basic abilities were demonstrated. All tasks were completed, yet not in full (clarifications are absent, conclusions are incomplete)	All main abilities were demonstrated. All tasks were completed in full, yet with few errors.	All main abilities were demonstrated. All main and additional tasks were completed without mistakes or errors.
Skill mastery (having experience)	Basic skills were not demonstrated during standard tasks completion. Major mistakes occurred	Minimum set of skills for standard tasks completion with minor error, is acquired.	Basic skills were demonstrated in completing standard tasks, yet with few errors.	All main skills were demonstrated in completing main and additional tasks without mistakes or errors.
Competence mastery characteristics	Competencies have not been acquired. The acquired knowledge, skills, and abilities are not enough to solve practical (professional) tasks. OR Insufficient number of credit points as per the established range.	Competencies mastery is adequate. The acquired knowledge, abilities, and skills are mostly sufficient to complete professional tasks. OR Sufficient number of credit points is earned as per the established range.	Competencies mastery mainly satisfies the requirements. The acquired knowledge, abilities, and skills are mainly sufficient to complete professional tasks. OR Sufficient number of credit points is earned as per the established range.	Competencies mastery satisfies the requirements to the full extent. The acquired knowledge, abilities, and skills are fully sufficient to complete difficult professional tasks, including non-standard. OR Sufficient number of credit points is earned as per the established range.

3. Criteria and grading system of the formative assessment tasks

3.1.   Criteria and grading system of laboratory classes

The list of laboratory classes, task completion and presentation recommendations, requirements for results, structure, and contents of report, etc., are presented in methodological guidelines on mastering the discipline as well as in MAU LMS Moodle

Grade/points	Assessment criteria
Excellent	The task is completed correctly and in full. The report is well-prepared and satisfies the requirements. Answers to the teacher's questions (during the presentation) are full.
Good	The task is completed in full, yet without sufficient justification or a minor error, which does not impact the argumentation sequence, occurred. All task completion requirements are satisfied.
Satisfactory	The task is completed partially, with mistakes. Adequate level of completed laboratory or practical tasks. Majority of task completion requirements are satisfied.
Unsatisfactory	The task is completed with a significant number of mistakes, demonstrated a low level of performance. Many of the requirements are not met. OR The task is not completed.

3.2. Criteria and grading system of tests

The list of test questions and tasks, as well as test procedure description are presented in methodological guidelines on mastering the discipline, as well as in MAU LMS Moodle.

The Assessment Materials include:

 - closed-ended questions (have one or several correct answers);

 - open-ended questions (require a full answer).

Grade/points	Assessment criteria
Credit	61-100 % of correct answers
Non-credit	60% or less of correct answers

4. 4. Criteria and grading system of the discipline (module) results during the interim assessment (credit)

If the student receives a required amount of credit points according to the grading system, he/she gets a credit.

Grade	Points	Assessment criteria
Pass	61 - 100	receives a required amount of credit points according to the grading system
Fail	less than 60	does not receive a required amount of credit points according to the grading system

5. Diagnostic tasks for the assessment of educational results in the discipline (module) within the framework of internal and external independent assessment of the quality of education

Assessment materials contains tasks for assessing knowledge, skills and abilities that demonstrate the level of competence mastery and indicators of their mastery.

The set of tasks is designed so as to assess each competence in written form.

The set of tasks includes: *a test.*

A set of tasks

УК -1: Can design action plans and apply systematic approach to critical analysis of problem situations	
1	*Select main technologies that support modern digital economy.* A. Cloud computing B. Cognitive technologies C. Big Data D. The Internet of Things E. Artificial intelligence F. Virtual and augmented reality.
2	*The object of Health Information Technology is information technologies implemented at the following levels* *A.* National *B.* Community-Based *C.* Institutional *D.* Personal *E.* Municipal
3	*Software for managing bulk information is....*
4	*Select commercial types of software:* A. Commercial B. Crippleware C. Freeware D. Shareware E. Pirated
5	*Select a research method that is not a sociological survey method* A. Questionnaire B. Experiment C. Sociometric survey D. Sociological testing
6	*An integrated set of data designed for storage and multifunctional use is ……*
7	*Health Information Technologies and its development are related to* A. Evidence based medicine B. Data processing C. Medical statistics D. Robotics E. Tele-medicine
8	*Types of medical information include* A. Alphanumeric B. Visual C. Audial D. Combined E. Multimedia
9	*Software systems applied in healthcare are divided into* A. Diagnostic B. Prevention C. Assisstance D. Monitoring E. wearable technology F. Rehabilitation
10	*The use of computer and telecommunication technologies for the exchange of medical information between practitioners or practitioners and patients is - .....*
ОПК-10 Can fathom the principles of modern IT and apply them to fulfil professional tasks	
1	*Software configuration installed on a particular PC is called a software _____.*
2	*Select the variants that are not virus paths:* A. Floppy fisk;

	B. Computer networks; C. Device drivers; D. Compact disks.
3	*The page design element where you can enter text, picture, page number, date and time is _____ of the page.*
4	*Styles in text documents are used for* A. Uniform design of a document B. Standard design of text parts C. Printing a document D. Automised change in the design of document parts
5	*File specifications* A. Name of a file B. Full name of a file C. Attribute D. Size E. Date and time of creation F. File name extension
6	*A specific version of function performance (if there are alternatives) in any software, unless the user explicitly requested otherwise, is called the principle of _____.*
7	*When formatting characters, you can change such parameters as* A. Typeface B. Size C. Font style D. Word spacing E. Letter spacing
8	*You can save sheets in a spreadsheet* A. Separately B. As one document C. Optionally D. Sheets with information only
9	*Passive means of protecting data from damage include* A. Archiver B. Archiver manager C. Antiviruses
10	*The list of commands and functions that are individual for each operating system object (ex., a file, folder, etc.) is a _____ menu of this object*