

**Thematic plan of seminar-type classes
in discipline «Medical informatics»
for students of 2024 year of admission
under the educational programme
31.05.01 General Medicine
(Specialist's degree),
form of study full-time correspondence
for the 2025-2026 academic year**

№	Thematic blocks	Hours (academic)³
1.	Theoretical foundations of medical informatics, medical aspects of computer use. Work in the Electronic Information Educational Environment of the university. Basic processing techniques for basic types of information: working with files and folders, archiving data	4
2.	Preparation of medical documents using Microsoft Office Word text editor. Features of using text fonts, paragraph settings, page numbering, creating tables of contents, placing pictures and tables when creating publications.	4
3.	Basics of paperwork management. Additional features of Microsoft Office Word text editor, collaborative working with the document.	4
4.	Progress check.	4
5.	Microsoft Office Excel spreadsheets. Basic techniques for creating and formatting data in spreadsheets.	4
6.	Computing in Microsoft Office Excel spreadsheets, creating formulas, automating calculations.	4
7.	Using embedded functions in Microsoft Office Excel. Creating diagrams.	4
8.	Local and global computer networks. Basic concepts and principles of the Internet. Medical resources of the Internet. Progress check.	4
9.	Informational support for a doctor's research, basic medical statistics. Methodology of statistical research. Statistical Tables.	4
10.	Relative values. Graphic image of data.	4
11.	Simulation of physiological processes. Informative mode	4
12.	Progress check.	4
13.	Health Information Systems (HIS). Organizational and Legal Support. Fundamentals of Databases.	4
14.	Database management systems (DBMS).Part 1	4
15.	Database management systems (DBMS).Part 2	4
16.	Final class (credit)	4
Total		64

Considered at the meeting of the department of clinical engineering and artificial intelligence technologies, protocol of «15» may 2025r. № 10.

Head of the department of clinical engineering and
artificial intelligence technologies



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