

COURSE DESCRIPTOR

№	Topic	Total, hours	Lectures, hours	Workshops (seminars) , hours	Labs, hours	Self-study of the material, hours	Individual tasks, hours
full-time course form of study							
1	Fundamentals of Information Technology in Health Care.	5	0	2	0	3	0
2	Coding and Classification of Medical Data.	5	0	2	0	3	0
3	Creation of Medical Documentations.	10	0	4	0	6	0
4	Analysis of Biosignals. Methods of Processing Biosignals. Visualization of Biomedical Data. Processing of Medical Images.	5	0	2	0	3	0
5	Processing Medical Research Data by MS Excel.	15	0	6	0	9	0
6	Formalization and Algorithmization of Medical Problems. Formal Logic in Solving Problems of Diagnosis, Treatment and Prevention of the Diseases.	10	0	4	0	6	0
7	Modeling of Medical and Biological Processes.	5	0	2	0	3	0
8	Evidence-Based Medicine. Principles of Evidence-Based Medicine.	10	0	4	0	6	0
9	The Usage of Relative Values in Medical Research.	5	0	2	0	3	0
10	Methods in Biostatistics.	5	0	2	0	3	0
11	Information Technologies for Approximation and Forecasting of Statistical Medical Data.	5	0	2	0	3	0
12	Medical Information Systems.	5	0	2	0	3	0
13	Final Modular Control.	5	0	2	0	3	0
<i>Total (full-time course form of study)</i>		<i>90</i>	<i>0</i>	<i>36</i>	<i>0</i>	<i>54</i>	<i>0</i>