

№	Field name	Detailed content, comments
1.	Name of the faculty	Information radio technologies and technical protection of information
2.	The level of higher education	Master's degree
3.	Code and title of specialty	172 Telecommunications and radio engineering
4.	The type and title of the educational program	Media engineering
5.	Code and title of the discipline	Network information technologies
6.	Number of ECTS credits	5
7.	The structure of the course (distribution by type and hours of training)	Lectures - 24, practical - 10, laboratory work -16, consultations -12, independent work - 88, semester control - exam
8.	Schedule (terms) of study of the subject	Course two, semester - 5
9.	Prerequisites for learning the discipline	Information theory and coding; Internet technologies; decision-making methods in information and measurement systems
10.	Abstract (content) of the discipline	1. Fundamentals of network information technology 2. Integration of information technologies into intelligent networks
11.	Competencies, knowledge, skills, understanding that a higher education acquirer has in the learning process	Knowledge and understanding of the subject area and understanding of professional activity. Ability to apply knowledge to solve specialized problems and practical problems in the field of professional activity in uncertain conditions using modern information and communication technologies and relevant technical terms. Ability to convey to professionals and non-specialists information, ideas, problems, solutions and personal experience in the field of professional activity.
12.	Learning outcomes of a Higher Education applicant	Apply design and modeling methods for the development and implementation of projects and engineering solutions in networks.

		Follow the principles of large-scale implementation of modern information technologies, operation of telecommunications systems and networks, radio systems and devices. To practice information and scientific research, to critically comprehend and interpret the results, to draw conclusions and to form directions of research taking into account domestic and foreign experience.
13.	Assessment system in accordance with each task for taking tests/exams	To evaluate the student's work during the semester, the final rating is calculated as the sum of grades for different types of classes and control activities. Each practical lesson and laboratory work is evaluated in 5 points.
14.	The quality of the educational process	To evaluate the student's work during the semester Policy of academic integrity, updating the content of the discipline on the basis of modern practices, scientific achievements, recommendations of employers
15.	Methodological support	1. E.V. Burov VG Computer Networks: Textbook - Lviv: Magnolia 2006, 2010 - 262 p. 2. Methodical instructions to laboratory works on discipline "Network information technologies", Compiler Tymoshenko L.P. (Electronic version), 2019
16.	Syllabus developer	Professor, Leonid P.Tymoshenko. leonid.tymoshenko@nure.ua